To: Tina Laidlaw/MO/R8/USEPA/US@EPA[]

From:

"Blend, Jeff" Fri 1/13/2012 6:13:18 PM Sent:

Subject:

MT Discharger Economic Info.xlsx Alejandro tables sector cost data Exxon earnings per barrel.xlsx jblend@mt.gov

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Economist and Energy Analyst

Energy and Pollution Prevention Bureau

Montana Dept. of Environmental Quality

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Discharger	Parent Company
Sidney Sugars Incorporated	American Crystal Sugar Company
Cenex Harvest States Coop.	CHS Inc.
ConocoPhillips - Billings Refinery	ConocoPhillips Company
Holcim (US) Inc.	Holcim
Advanced Silicon Materials Inc.	Renewable Energy Corporation ASA
ExxonMobil Refining & Supply	Exxon Mobil Corporation
Corette Thermal Plant	PPL Corporation
Western Energy-Rosebud Mine	Westmoreland Coal Company
Western Sugar Cooperative	Western Sugar Cooperative
Stillwater Mining Company	Norilsk Nickel
Fidelity Exploration and Production	MDU Resources Group

Mining, quarrying, and oil and gas extraction Statistics for the U.S. and States: 2007	n	
Geography		Number of paid employees for pay period including March 12
Montana	247	7,569

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye able? bm=y&-geo_id=04000US30&-ds_name=EC0700A1&-NAICS2007=21&-_lang=en_

Coal Mining Statistics for the U.S. and States: 2007		
		Meaning of 2007 NAICS
Geographic Area Name	2007 NAICS code	Meaning of 2007 NAICS code
Montana	2121	Coal mining

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye http://factfinder.census.gov/servlet/IBQTable? bm=y&-geo id=04000US30&-ds name=EC0700A1&-NAICS2007=2

Bituminous coal an	d lignite surface mining	Statistics for the	
U.S. and States: 20			

Geographic Area Name	2007 NAICS code	Meaning of 2007 NAICS code
Montana		Bituminous coal and 212111 lignite surface mining

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye http://factfinder.census.gov/servlet/IBQTable? bm=y&-geo_id=04000US30&-ds_name=EC0700A1&-NAICS2007=2

Bituminous coal underground mir Statistics for the U.S. and States: 2		
Geographic Area Name	2007 NAICS code	Meaning of 2007 NAICS code
Montana		Bituminous coal 212112 underground mining

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye http://factfinder.census.gov/servlet/IBQTable? bm=y&-geo id=04000US30&-ds name=EC0700A1&-NAICS2007=2

Electric power generation, trans Statistics for the U.S. and States		
		Number of paid employees for pay period including March
Geography	Number of Employer Establishr	ļ. —
Montana	132	2,348

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye ble? bm=y&-geo id=04000US30&-ds name=EC0700A1&-NAICS2007=2211&- lang=en

Electric Power Generation Statistics for the U.S. and States: 20	007	
		Meaning of 2007 NAICS
Geographic Area Name	2007 NAICS code	code

	Electric power
Montana	22111 generation

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye http://factfinder.census.gov/servlet/IBQTable? bm=y&-geo id=04000US30&-ds name=EC0700A1&-NAICS2007=2

Petroleum and coal products manufacturin U.S. and States: 2007	g Statistic	s for the
Geographic Area Name	2007 NAICS code	Meaning of 2007 NAICS code
Montana		Petroleum and coal 324 products manufacturing

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye http://factfinder.census.gov/servlet/IBQTable? bm=y&-geo_id=04000US30&-ds_name=EC0700A1&-NAICS2007=3

Petroleum Refinieries Statisitics for the U.S. and States:20	007	
		Meaning of 2007 NAICS
Geographic Area Name	2007 NAICS code	code
Montana		32411 Petroleum refineries

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye http://factfinder.census.gov/servlet/IBQTable? bm=y&-geo id=04000US30&-ds name=EC0700A1&-NAICS2007=3

Sugar and confectionery product ma Statistics for the U.S. and States: 20		
Caaguanhia Araa Nama	2007 NAICS and a	Meaning of 2007 NAICS
Geographic Area Name	2007 NAICS code	code
Montana		Sugar and confectionery 3113 product manufacturing

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye http://factfinder.census.gov/servlet/IBQTable? bm=y&-geo id=04000US30&-ds name=EC0700A1&-NAICS2007=3

Beet Sugar Manfacturing Statistics for the U.S. and States:2	007	
Geographic Area Name	2007 NAICS code	Meaning of 2007 NAICS code
Montana		Beet sugar 311313 manufacturing

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye http://factfinder.census.gov/servlet/IBQTable? bm=y&-geo id=04000US30&-ds name=EC0700A1&-NAICS2007=3

Cement and concrete product mar U.S. and States: 2007	nufacturing Statisiti	cs for the
Geographic Area Name	2007 NAICS code	Meaning of 2007 NAICS code
Montana		Cement and concrete 3273 product manufacturing

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye http://factfinder.census.gov/servlet/IBQTable? bm=y&-geo id=04000US30&-ds name=EC0700A1&-NAICS2007=3

Metal Ore Mining Statistics for the U.S. and States 2	007	
Geographic Area Name	2007 NAICS code	Meaning of 2007 NAICS code
Montana		2122 Metal ore mining

Source: U.S. Census Bureau, 2007 Economic Census, 2007 Economic Census of Island Areas, and 2007 Nonemploye http://factfinder.census.gov/servlet/IBQTable? bm=y&-geo id=04000US30&-ds name=EC0700A1&-NAICS2007=2

- b = 20 to 99 employees
- e = 250 to 499 employees
- g = 1,000 to 2,499 employees
- D = Withheld to avoid disclosing data for individual companies; data are included in higher level totals
- N = Not available or not comparable

Q = Revenue not collected at this level of detail for multiestablishment firms

	311		9)	III.
	Employer sales, shipments,		Nonemployer sales, shipments,	
	receiptss, revenue,	Number of	receipts, revenue,	2007
Annual payroll	or buisness done	nonemployer	or business done	population
(\$1,000)	(\$1000)	establishments	(\$1000)	estimate
446,377	3,507,583	668	55,136	957,861

			Employer sales,		
Meaning of			Employer sales, shipments,		Number of paid
Type of		Number of	receipts, revenue,		employees for pay
operation or tax		employer	or business done	payroll	period including
status code	Footnote identifier	establishments	(\$1,000)	(\$1,000)	March 12
Total		7	472,135	59,845	1,105

Meaning of Type of operation or tax status code	Number of employer		Annual payroll	Number of paid employees for pay period including March 12
Total	6	D	D	g

			Employer sales,		
Meaning of			shipments,		Number of paid
Type of		Number of	receipts, revenue,	Annual	employees for pay
operation or tax		employer	or business done	payroll	period including
status code	Footnote identifier	establishments	(\$1,000)	(\$1,000)	March 12
Total		1	D	D	b

	1			
	Employer sales,		Nonemployer	
	shipments, receiptss, revenue,		sales, shipments, receipts, revenue,	2007
Annual payroll	or buisness done	nonemployer	or business done	population
(\$1,000)	(\$1000)	establishments	(\$1000)	estimate
163,132	Q	N	N	957,861

				7 3
_		Employer sales, shipments,		
Meaning of		shipments,		Number of paid
Meaning of Type of	Number of	receipts, revenue,	Annual	employees for pay
operation or tax	employer	or business done	payroll	period including
	establishments	(\$1,000)	(\$1,000)	March 12

Total	14 <mark>Q</mark>	c

Meaning of Type of operation or tax status code	Number of employer	Employer sales, shipments, receipts, revenue, or business done (\$1,000)	Annual payroll	Number of paid employees for pay period including March 12
Total	5	5,450,695	100,506	1,178

					95 1
			Employer sales,		
Meaning of			Employer sales, shipments,		Number of paid
Meaning of Type of		Number of	receipts, revenue,	Annual	employees for pay
operation or tax		employer	or business done	payroll	period including
status code	Footnote identifier	establish ments	(\$1,000)	(\$1,000)	March 12
Total		4	D	D	g

Meaning of			Employer sales, shipments,		Number of paid
Type of			receipts, revenue,		employees for pay
operation or tax			1 ' '		period including
status code	Footnote identifier	establishments	(\$1,000)	(\$1,000)	March 12
Total		12	D	13,259	389

					2
			Employer sales, shipments,		
Meaning of			shipments,		Number of paid
Meaning of Type of		Number of	receipts, revenue,	Annual	employees for pay
operation or tax		employer	or business done	payroll	period including
status code	Footnote identifier	establishments	(\$1,000)	(\$1,000)	March 12
Total		2	D	D	е

				50 10 10
Meaning of Type of operation or tax status code	Number of employer		Annual payroll	Number of paid employees for pay period including March 12
Total	57	206,704	38,235	845

					1
			Employer sales,		
Meaning of			Employer sales, shipments,		Number of paid
Type of		Number of	receipts, revenue,	Annual	employees for pay
operation or tax				payroll	period including
status code	Footnote identifier	establish ments	(\$1,000)	(\$1,000)	March 12
Total		8	1,113,420	170,569	2,291

	Nonemployer sales,
Number of	shipments, receipts,
nonemployer	revenue, or business
establish ments	done (\$1,000)
5	55

	Nonemployer sales,
Number of	shipments, receipts,
nonemployer	revenue, or business
establishments	done (\$1,000)
N	N

	Nonemployer sales,
Ni	
Number of	shipments, receipts,
nonemployer	revenue, or business
, ,	· ·
establishments	done (\$1,000)
NI.	N.
IN	IN

	Nonemployer sales,
Number of	shipments, receipts,
nonemployer	revenue, or business
establishments	done (\$1,000)

Ν	N

	Nonemployer sales,
Number of	shipments, receipts,
nonemployer	revenue, or business
establishments	done (\$1,000)
11	998

	Nonemployer sales,
Number of	shipments, receipts,
nonemployer	revenue, or business
establishments	done (\$1,000)
N	N

	Nonemployer sales,
Number of	shipments, receipts,
nonemployer	revenue, or business
establishments	done (\$1,000)
11	112
	113

N	N
Number of nonemployer establishments	Nonemployer sales, shipments, receipts, revenue, or business done (\$1,000)

	1
	4.6
	Nonemployer sales,
Number of	shipments, receipts,
nonomployer	rovenue or business
nonemployer	revenue, or business
establishments	done (\$1,000)
establishments	40116 (\$1,000)
9	572

	9
Number of	Nonemployer sales, shipments, receipts,
nonemployer establishments	revenue, or business done (\$1,000)
32	2,138

Facility Information - Sidney Sugars Incorpo	rated, Sidney MT
Capacity Averages	
Total Annual Beet Slice	810,000
Daily Beet Slice	6,300
Sugar Production	2.4 Million CWT
Daily Sugar Production	18,000
Number of Campaign Days	135
History	
Year Built:	1925
Major renovations/upgrades/additions:	
Acreage expansion from 38,800 to over 45,000	1996
Ten sugar storage silos	1996
Thick juice storage tank	1997
Pulp press building	1997
Beet receiving station and pile ventilation	1997
Tower Diffuser	1998
Beet receiving station and pile ventilation	2003
Lime kiln and slacker modification	2005
Boiler House Automation	2007
Employment	
Number of year round employees	90
Number of seasonal employees	120 average
Number of harvest employees	60 average
Number of salaried employees	30
Agricultural Information	
Number of growers	120
Number of acres planted	34,000
Tons of beet produced	800,000
Six Beet receiving stations: Culbertson, Savage,	
Pleasantview, Powder River, Sugar Valley,	
Factory	
By-Products sold annually, averages in tons	
Pressed Pulp	50,000
Molasses	35,000

http://www.sidneysugars.com/profile/facility.asp

Sidney Sugars in Sidr full time employmer employment for 280 million. Another \$50 beets grown on 47,5 200,000 tons of suga

http://www.sidneyn

ney is a major employer in Richland County providing it for approximately 150 people and part time it more with an annual payroll of approximately \$5.7 million is paid out to local farm families for sugar on acres of irrigated land. The refinery also ships ar, pulp and molasses by rail and 75,000 tons by truck.

nt.com/relocate/agriculture.asp

Information for CHS Inc. (Parent company of Cenex Harvest)

Fiscal Year 2010 Net Income	\$505.2 million
Revenues	\$29.3 billion

Fiscal Year 2011 Net Income	\$961.4 million
Revenues	\$36.9 billion

CHS Inc. Earnings

By segment

(in millions \$)

	For the Three M	For the Twelve	
	2011	2010	2011
Energy	\$234.00	\$129.70	\$629.90
Ag Business	-16.6	14.7	434.8
Corporate and Other	19	26.7	83
Income before income taxes	236.4	171.1	1,147.70
Income taxes	0.5	-3.9	-86.6
Net income	236.9	167.2	1,061.10
Net income attributable to non-controlling in	-30.4	-13.1	-99.7
Net income attributable to CHS Inc.	\$206.50	\$154.10	\$961.40

2010 CHS Annual Report

http://annualreport.chsinc.com/AnnualReport2010/CHS AnnualReport 2010.pdf

Cenex Harvest Montana Refinery Production			
CHS, Inc.	Cenex Harvest States Coop.		59,600 barrels per day

U.S. Energy Information Administration-EIA- Independent Statistics and Analysis, Ranking of US Refineries http://www.eia.gov/neic/rankings/refineries.htm

Months End	ded Aug. 31,
	2010
	\$234.40
	267.4
	82
	583.8
	-48.4
	535.4
	-33.2
	\$502.20

ConocoPhillips' Billings Refinery

ConocoPhillips' Billings Refinery has a crude oil processing capacity of 58,000 barrels per day. 1,3

The refinery produces a high percentage of transportation fuels, such as gasoline, jet fuel and diesel, as well as fuel-grade petroleum coke. Finished petroleum products from the refinery are delivered via company-owned pipelines, railcars and trucks. Pipelines transport most of the refined products to markets in Montana, Wyoming, Utah, Colorado and Washington. ConocoPhillips' Billings refinery employs more than 300 people.²

 $1\ http://www.reuters.com/article/2011/07/22/refinery-operations-conoco-billings-idUSN1E76L1QF20110722$

2 EPA News Room. ConocoPhillips' Billings refinery recognized for superior energy performance. April 12, 2007.

http://yosemite.epa.gov/opa/admpress.nsf/4b779454038214c1852572a000651fe2/59ab6ae263da9895852572bb0047dedb!OpenDocument

3 http://www.eia.gov/neic/rankings/refineries.htm

Holcim US, Inc.

Holcim (US) Inc. is a subsidiary of Holcim Ltd, and one of the nation's leading manufacturers and suppliers of cement and mineral components. Holcim (US) has approximately 2,000 employees and operates 13 manufacturing plants and 70 distribution facilities in the United States. Holcim (US) supplies over 15 million metric tons of cement and related materials annually, and earned revenues of approximately \$1.5 billion in 2006.¹

http://www.hantis.the.smallest.of.Holcim's operations in the United States, producing about 350,000 tons of cement annually and employing about 85 workers.

http://www.bozemandailychronicle.com/news/article 9a52e199-e63b-5500-aa55-54588001556b.html

2 http://www.montanamining.org/media/MontanaMining_2011_Web.pdf http://www.montanamining.org/media/MontanaMining_2011_Web.pdf

REC Silicon (silicon production division of REC)				Converted	to US \$			
(NOK in million)	2010	2009	2008	2007	2006	US \$	2010	2009
Revenues	5,245	3,943	3,033	2,496	2,127	Revenues	\$905,811,500	\$680,956,100
EBITDA	2,735	1,920	1,540	1,347	1,063			
EBITDA-margin	52%	49%	51%	54%	50%			
Employees	850	775	717	621	480			

REC Group					
(NOK in million)	2010	2009	2008	2007	2006
Revenues	13,776	8,831	8,191	6,642	4,334
EBITDA	3,532	1,803	3,279	3,172	1,965
EBITDA-margin	24%	20%	40%	48%	45%
EBIT	1,018	-829	2,529	2,588	1,574
EBIT-margin	7%	nm	31%	39%	36%
Net financial items	801	-472	1,850	-610	-830
Profit/loss before tax	1,818	-1,301	4,379	1,977	744
Earnings per share, basic (in NOK)	0.96	-1.63	5.39	2.35	0.9
Employees	4,200	3,117	2,418	1,795	1,385

http://www.recgroup.com/en/recgroup/Key-figures/http://www.recgroup.com/recgroup/operations/Butte/

REC Silicon is the silicon production polysilicon, elect silane gas at plar Washington and

REC Silicon prod and granular pol production targe which more thar material. The pla more than 27,00

At year-end 2010 approximately 8

2008	2007	2006
\$523,799,100	\$431,059,200	\$367,332,900

e operating division for the on and produces solar grade ronic grade polysilicon and onts in Moses Lake, in Butte, Montana.

uced 13,673 MT of Siemens ysilicon in 2010, and et for 2011 is 17,000 MT, of 160 percent is FBR granular ents' silane gas capacity total 10 MT.

3 REC Silicon employs50 people.

ExxonMobil Billings Refinery

The ExxonMobil Billings Refinery (Refinery) located northeast of Billings, Montana has been in operation since July 1949. The Refinery has the capacity to process approximately 60,000 barrels per day of domestic and Canadian crude oil into refined petroleum hydrocarbon products, by-products, and intermediate
http://deq.mt.gov/hazwaste/rcra/RCRAFactSheets/ExxonMobil/RCRAExxonMobilFactSht.mcpx

Corette Thermal Plant, MT (Parent Company: PPL Corporation)					
Generating Capacity	153 megawatts				
Number of Employees	40				

http://www.pplmontana.com/producing+power/power+plants/J.E.+Corette.htm

Rosebud Mine - Key Facts				
Average Annual Production	12.3 Million Tons			
Number of Active Areas	3			
Permitted Operating Acreage	25,576			
Number of Draglines Removing				
Overburden	4			
Equipment Removing Coal	12 Haul Trucks			
	3 30CY End Loaders			
	1 20CY Excavator			
Approx Heat Content (BTU/lb)	8,550			
Approx Sulphur (%)	0.64			
	Colstrip Steam			
Major Customer	Electric Station			
Delivery	Truck			
	Rail			
	Conveyor			
	24 Hours Per Day /			
Mine Operation Hours	7 Days Per Week			
Year Mine Opened	1968			

http://www.westmoreland.com/rosebud

Western Energy Company's Rosebud Mine is complex located in the northern Powder Rive the Northern Cheyenne Indian Reservation. I large operation with three active pits and supproduction to the four-unit 2,100 megawatt adjacent to the mine and was specifically des

Coal is sold to the Colstrip Station under two of the region's most cost-efficient and cleans it maintain a base-load position on the electrontinued strong demand for Rosebud coal. approximately ten to thirteen million tons ps

http://www.westmoreland.com/rosebud

a 25,000-acre surface mine er Basin near Colstrip, Montana, and Rosebud is a pplies almost all of its current Colstrip Power Station that is signed to burn Rosebud coal.

long-term contracts. Colstrip is one est power plants, which should help ricity dispatch curve, and ensure The Rosebud Mine produces er year.

The Western Sugar Cooperativ	e
Co-products annual revenue	\$20 million

http://www.westernsugar.com/Co-Products.html

Stillwater Mining Company 2010 Annual Report - Summary

Financial						
Total revenues (millions)	\$	555.9	\$	394.4	\$	855.7
Operating income (loss) (millions)	\$	54.7	\$	4.3	\$	(117.4)
Net income (loss) (millions)	\$	50.4	\$	(8.7)	\$	(115.8
Net income (loss) per share						
Basic earnings (loss) per share	\$	0.51	\$	(0.09)	\$	(1.24)
Diluted earnings (loss) per share	\$	0.51	\$	(0.09)	\$	(1.24)
Operating cash flow (millions)	\$	123.9	\$	59.7	\$	114.2
Stockholders' equity (millions)	\$	583.1	\$	446.8	\$	421.2
Weighted average common shares outstanding (millions)						
Basic		98.0		94.9		93.0
Diluted		99.2		94.9		93.0
Outstanding common shares (millions)		101.9		96.7		93.7
Palladium & Platinum Mine Production (ounces)				44444		
Stillwater Mine						
Palladium	2	270,600	3	301,700		268,200
Platinum		81,100		92,100	81,200	
Total	3	51,700	3	93,800		349,400
East Boulder Mine						
Palladium	1	103,500	1	05,300	116,000	
Platinum		29,900		30,800	33,500	
Total	1	33,400	1	36,100		149,500
Total Mining						
Palladium	3	374,100	4	407,000		384,200
Platinum	1	11,000	1	22,900		114,700
Total	4	85,100	5	29,900		498,900
Palladium, Platinum & Rhodium Recycling Production (ounces)						
Palladium	***************************************	191,500		112,900		164,600
Platinum		78,500		19,100		199,800
Rhodium		29,400		19,000	33,700	
Total	399,400		2	251,000		398,100
	_					
	-					
Operations		95.000	1.0)86.000		1.060.000
Operations Total ore tons milled	1,6)95,000 (81.000)86,000 84.000		1,060,000 1,206.000
Operations Total ore tons milled Total tons milled including subgrade	1,6	095,000 181,000 0.46		086,000 84,000 0.50		1,060,000 1,206,000 0,46
Operations Total ore tons milled	1,6	181,000		84,000		1,206,000
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery	1,6	0.46		84,000 0.50		1,206,000 0.46
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton)	1,0 1,1	0.46		84,000 0.50		1,206,000 0.46
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs	1,(1,1	0.46 91%	\$	84,000 0.50 91%	\$	1,206,000 0.46 91%
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce)	1,0 1,1	0.46 91% 397	1,1	84,000 0.50 91% 360		1,206,000 0.46 91% 405
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization	1,(1,1	397 149	1,1 \$ \$	84,000 0.50 91% 360 135	\$	1,206,000 0.46 91% 405 164
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices Mine Production	1,(1,1	397 149	1,1 \$ \$	84,000 0.50 91% 360 135	\$	1,206,000 0.46 91% 405 164
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices	1,(1,1	397 149	1,1 \$ \$	84,000 0.50 91% 360 135	\$	1,206,000 0.46 91% 405 164
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices Mine Production	1,0 1,1 \$ \$ \$ \$	397 149 546	\$ \$ \$ \$	84,000 0.50 91% 360 135 495	\$ \$ \$	1,206,000 0.46 91% 405 164 569
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices Mine Production Average realized price per palladium ounce	1,0 1,1 \$ \$ \$ \$	397 149 546	\$ \$ \$ \$	360 135 495	\$ \$ \$	1,206,000 0.46 91% 405 164 569
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices Mine Production Average realized price per palladium ounce Average realized price per platinum ounce Combined average realized price per ounce PGM Recycling	\$ \$ \$ \$ \$ \$	397 149 546 495 1,488	\$ \$ \$ \$ \$	360 135 495 365 1,137	\$ \$ \$	1,206,000 0.46 91% 405 164 569 410 1,387
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices Mine Production Average realized price per palladium ounce Average realized price per platinum ounce Combined average realized price per ounce PGM Recycling Average realized price per palladium ounce	\$ \$ \$ \$ \$ \$	397 149 546 495 1,488	\$ \$ \$ \$ \$	360 135 495 365 1,137	\$ \$ \$	1,206,000 0.46 91% 405 164 569 410 1,387
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices Mine Production Average realized price per palladium ounce Average realized price per platinum ounce Combined average realized price per ounce PGM Recycling	1,0 1,1 \$ \$ \$ \$ \$	397 149 546 495 1,488 721	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	360 135 495 365 1,137 549	\$ \$ \$	1,206,000 0.46 91% 405 164 569 410 1,387 630
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices Mine Production Average realized price per palladium ounce Average realized price per platinum ounce Combined average realized price per ounce PGM Recycling Average realized price per palladium ounce	1,0 1,1 \$ \$ \$ \$ \$ \$	397 149 546 495 1,488 721	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	360 135 495 365 1,137 549	\$ \$ \$ \$	1,206,000 0.46 91% 405 164 569 410 1,387 630
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices Mine Production Average realized price per palladium ounce Average realized price per palladium ounce Combined average realized price per ounce PGM Recycling Average realized price per palladium ounce Average realized price per palladium ounce	1,0 1,1 \$ \$ \$ \$ \$ \$	397 149 546 495 1,488 721 456 1,539	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	360 135 495 365 1,137 549 282 1,143	\$ \$ \$ \$	1,206,000 0.46 91% 405 164 569 410 1,387 630 401 1,735
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices Mine Production Average realized price per palladium ounce Average realized price per platinum ounce Combined average realized price per ounce PGM Recycling Average realized price per platinum ounce	1,0 1,1 \$ \$ \$ \$ \$ \$	397 149 546 495 1,488 721 456 1,539	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	360 135 495 365 1,137 549 282 1,143	\$ \$ \$ \$	1,206,000 0.46 91% 405 164 569 410 1,387 630 401 1,735
Operations Total ore tons milled Total tons milled including subgrade Combined mill head grade (ounces per ton) Mill recovery Consolidated Production Costs (per ounce) Total cash costs Depreciation & amortization Total production costs Metal Prices Mine Production Average realized price per palladium ounce Average realized price per platinum ounce Combined average realized price per ounce PGM Recycling Average realized price per platinum ounce Average realized price per rhodium ounce Market	1,0 1,1 \$ \$ \$ \$ \$ \$	397 149 546 495 1,488 721 456 1,539 2,354	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	360 135 495 365 1,137 549 282 1,143 2,088	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,206,000 0.46 91% 405 164 569 410 1,387 630 401 1,735 7,807

Stillwater Mining Company (NYSE:SWC) produces palladium and platinum, rare and precious metals essential in automotive catalysts to convert harmful air pollutants into harmless emissions, and also used in jewelry, electronic and dental applications. The Company is the only producer of palladium and platinum in the United States. The Company's current mining operations are in south-central Montana where it operates two underground mines along the J-M Reef, the world's richest known deposit of platinum group metals (PGMs). The Company's operations include a nearby smelting and re ning complex where it concurrently processes concentrates from mined ore and spent catalytic material containing PGMs from its recycling business. The Company also owns the Marathon PGM/copper mine development project which is in the permitting stage and is located at the north end of Lake Superior in north-western Ontario Canada.

Fidelity Exploration and Production Company

<u>Fidelity is headquartered in Denver and has operating offices in Glendive, Montana; Sheridan, Wyoming; and, Houston.</u>

Production: Natural Gas and Oil			
Total annual production (at Dec. 31, 2010)			
70 Billion cubic feet equivalent (Bcfe)			
Energy diversity of production			
72% Natural Gas			
28% Oil			
Geographic diversity of production			
76% Rocky Mountain Region			
24% Mid-Continent/Gulf States			
Total productive wells: (at Dec. 31, 2010)			
7,510 Gross			
3,338 Net			

http://www.fidelityepco.com/Profile/Pages/ProductionStatistics.aspx

WBI Holdings - Affiliate Company Fidelity Exploration and Production Company Natural Gas and Oil Production				
Total 2010 Revenue:	\$434.4 million			
Source of 2010 Revenue:	51% Natural gas			
	49% Oil			

http://www.wbiholdings.com/BusinessProfile/Pages/BusinessModel.aspx

001 47° 28' 21"N 104° 25' 34"W Overflow from North Overflow from North Pond 2; Mine drainage Peabody Coulee C-3 Pond 2; Mine drainage 002 47° 27' 30"N 104° 26' 45"W Overflow from South Pond 1; Mine drainage Garden Coulee C-3 001 Overflow from North Pond 2; Mine dra 003 47° 27' 28"N 104° 26' 45"W 002 Overflow from South Pond 1; Mine dra 003 Overflow from South Overflow from South Pond 2; Mine dra Pond 2; Mine drainage Garden Coulee C-3 004 Overflow from Tipple Pond; Mine drain 004 47° 28' 19"N 104° 25' 32"W Overflow from South Pond 3; Coal plan 005 Overflow from Tipple Pond; Mine drainage Peabody Coulee C-3 005 47° 27' 45"N 104° 26' 45"W Overflow from South Pond 3; Coal plant wash down and mine drainage Garden Coulee C-3

inage 001 - Overflow from North Pond 2; Mine drainage inage 002 - Overflow from South Pond 1; Mine drainage inage 003 - Overflow from South Pond 2; Mine drainage age 004 - Overflow from Tipple Pond; Mine drainage

t wash down្សាទ្ធាល់ ហ្គាម៉ាម៉ាស់ (wain អង្គទ South Pond 3; Coal plant wash down and mine drainage

Need pdf of permit S.O.B	Nutrients in effluent (PER	
and Fact Sheet?	Jenny)?	NPDES ID
YES	YES	MT0000019
YES	YES	MT0000035
YES	YES	MT0000094
No	YES	MT0000191
VEC	VEC	MATOOOOOO
YES	YES	MT0000205
YES	YES	MT0000230
NO	YES	MT0000248
NO	YES	MT0000256
NO	YES	MT0000264
NO	YES	MT0000281
YES	YES	MT0000302
YES	YES	MT0000353
YES	YES	MT0000388
YES	YES	MT0000396
YES	NO	MT0000426
YES	YES	MT0000451
NO	YES	MT0000477
NO	YES	MT0000485
YES	YES	MT0000884
No	YES	MT0000892
YES	YES	MT0020460
YES	YES	MT0021229
YES	YES	MT0021431
VEO		
YES	YES	MT0023566
YES	YES	MT0023567
YES	YES	MT0023604
YES	YES	MT0023639
NO	YES	MT0023939
NO No	YES	MT0023963
YES	YES	MT0024619
NO No	YES	MT0024716
No	NO	MT0025020
YES	YES	MT0026808
YES	YES	MT0027821
YES	YES	MT0028321
YES	YES	MT0028428

VEC		
YES	YES	MT0028584
YES	NO	MT0028843
YES	YES	MT0028983
YES	YES	MT0029742
YES	NO	MT0029840
YES	YES	MT0029891
YES	YES	MT0029980
YES	YES	MT0030015
YES	YES	MT0030031
YES	YES	MT0030066
YES	YES	MT0030147
	. 20	
VEC	VEC	NATO020400
YES	YES	MT0030180
YES	YES	MT0030252
YES	YES	MT0030279
YES	YES	MT0030287
NO	YES	
NO	YES	MT0030350
YES	YES	MT0030392
YES	YES	MT0030457
YFS		
YES	YES	MT0030627
YES	YES YES	MT0030627 MT0030643
	YES	MT0030627
YES YES	YES YES NO	MT0030627 MT0030643 MT0030651
YES	YES YES	MT0030627 MT0030643
YES YES	YES YES NO	MT0030627 MT0030643 MT0030651
YES YES YES	YES YES NO YES YES	MT0030627 MT0030643 MT0030651 MT0030660
YES YES	YES YES NO YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678
YES YES YES YES YES	YES YES NO YES YES YES YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030686
YES YES YES YES YES NO	YES YES NO YES YES YES YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030686
YES YES YES YES YES NO YES	YES YES NO YES YES YES YES YES YES YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030686 MT0030724 MT0030741
YES YES YES YES YES NO	YES YES NO YES YES YES YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030686
YES YES YES YES YES NO YES	YES YES NO YES YES YES YES YES YES YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030686 MT0030724 MT0030741
YES YES YES YES YES NO YES YES	YES YES NO YES YES YES YES YES YES NO	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030724 MT0030741 MT0030776
YES YES YES YES YES NO YES YES YES YES	YES YES NO YES YES YES YES YES YES YES YES NO YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030724 MT0030741 MT0030776 MT0031411
YES YES YES YES NO YES YES YES YES YES	YES YES NO YES YES YES YES YES YES YES YES NO YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030724 MT0030741 MT0030776 MT0031411
YES YES YES YES YES NO YES YES YES YES YES YES	YES YES NO YES YES YES YES YES YES YES NO YES NO YES NO	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030724 MT0030741 MT0030776 MT0031411 MT0031470 MT0031496
YES YES YES YES NO YES YES YES YES YES	YES YES NO YES YES YES YES YES YES YES YES NO YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030724 MT0030741 MT0030776 MT0031411
YES YES YES YES YES NO YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES YES YES NO YES NO YES NO YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030686 MT0030724 MT0030741 MT0031411 MT0031470 MT0031496 MT0031534
YES YES YES YES YES NO YES YES YES YES YES YES	YES YES NO YES YES YES YES YES YES YES NO YES NO YES NO	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030724 MT0030741 MT0030776 MT0031411 MT0031470 MT0031496
YES YES YES YES YES NO YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES YES YES NO YES NO YES NO YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030686 MT0030724 MT0030741 MT0031411 MT0031470 MT0031496 MT0031534
YES YES YES YES NO YES	YES YES NO YES YES YES YES YES YES NO YES YES YES YES YES YES YES YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030724 MT0030776 MT0031411 MT0031470 MT0031496 MT0031534 MT0031542
YES YES YES YES NO YES	YES YES NO YES YES YES YES YES YES NO YES YES YES YES YES YES YES YES YES	MT0030627 MT0030643 MT0030651 MT0030660 MT0030678 MT0030686 MT0030724 MT0030741 MT0031411 MT0031470 MT0031496 MT0031534 MT0031542 MT0031569

YES	YES	MT0031623
YES	YES	MTG01
YFS	YFS	MTG13

Facility Name	Permit Name	County Name
BN WHITEFISH FACILITY	BURLINGTON NORTHERN SANTA FE RAILWAY	Flathead
STONE CONTAINER CORP	SMURFIT-STONE CONTAINER	Missoula
JOHN R DAILY INC	SEABOARD FOODS LLC	Missoula
MONTANA RESOURCES	MONTANA RESOURCES	Silver Bow
STIMSON LUMBER CO BONNER MILL	STIMSON LUMBER CO. BONNER MILL	Missoula
MONTANA SULPHUR & CHEMICAL CO	MONTANA SULPHUR & CHEMICAL CO	Yellowstone
SIDNEY SUGARS INCORPORATED	SIDNEY SUGARS INCORPORATED	Richland
CONOCOPHILLIPS - BILLINGS REFINERY	CONOCOPHILLIPS COMPANY	Yellowstone
CENEX HARVEST STATES COOP.	CENEX HARVEST STATES COOP	Yellowstone
WESTERN SUGAR COOPERATIVE	WESTERN SUGAR COOPERATIVE	Yellowstone
MDU - LEWIS & CLARK PLANT	MONTANA-DAKOTA UTILITIES CO.	Richland
MT RAIL LINK-LAUREL RAIL YARD	MONTANA RAIL LINK (LAUREL)	Yellowstone
MONTANA RAIL LINK -LIVINGSTON RAIL YARD	MONTANA RAIL LINK INC	Park
CORETTE THERMAL PLANT	PPL MONTANA LLC-CORETTE PLANT	Yellowstone
AIR LIQUIDE INDUSTRIAL U.S. LP	AIR LIQUIDE INDUSTRIAL U.S. LP	Lewis and Clark
ASH GROVE CEMENT COMPANY	ASH GROVE CEMENT COMPANY	Jefferson
EXXONMOBIL REFINING & SUPPLY	EXXONMOBIL REFINING AND SUPPLY	Yellowstone
TRIDENT PLANT	HOLCIM (US) INC	Gallatin
BIG SKY COAL COMPANY - BIG SKY MINE	BIG SKY COAL COMPANY	Rosebud
DECKER COAL CO (WEST MINE)	DECKER COAL CO (WEST MINE)	Big Horn
YELLOWSTONE BOYS & GIRLS RANCH	YELLOWSTONE BOYS & GIRLS RANCH	Yellowstone
WESTMORELAND RESOURCES INC - ABSALOKA		
MINE	WESTMORELAND RESOURCES INC	Big Horn
MT BEHAVIORAL HEALTH INC WWTP	Montana Behavioral Health	Deer Lodge
ELKHORN HEALTH CARE WWTP	ELKHORN HEALTH AND REHABILITATION LLC	Jefferson
SOMONT OIL - VAN NOTE-COREY DISCHARGE	SOMONT OIL COMPANY INC	Toole
WESTMORELAND SAVAGE CORP - SAVAGE MINE	WESTMORELAND SAVAGE CORP	Richland
BOULDER HOT SPRINGS WWTP	BOULDER HOT SPRINGS	Jefferson
WESTERN ENERGY CO - ROSEBUD MINE	WESTERN ENERGY COMPANY	Rosebud
DECKER COAL CO (EAST MINE)	DECKER COAL CO (EAST MINE)	Big Horn
SPRING CREEK MINE	SPRING CREEK COAL LLC	Big Horn
STILLWATER MINING COMPANY	STILLWATER MINING COMPANY	Stillwater
MT GOLD & SAPHIRES - DREDGE	MONTANA GOLD AND SAPPHIRES INC	Lewis and Clark
STILLWATER MINING COMPANY	STILLWATER MINING CO. (E.B.P.)	Sweet Grass
BEAVERHEAD TALC MINE	LUZENAC AMERICA INC	Madison
EXXON MOBIL BILLINGS REFINERY	EXXON MOBIL CORP (SUCTION DRG)	Yellowstone
MONTANA TUNNELS MINING INC	MONTANA TUNNELS MINING, INC	Jefferson

LUZENAC AMERICA INC - YELLOWSTONE MINE	LUZENAC AMERICA, INC.	Madison
ENNIS HOT SPRINGS	ENNIS HOT SPRINGS LLP	Madison
BULL MOUNTAIN MINE #1	SIGNAL PEAK ENERGY LLC	Musselshell
CONOCO INC	CONOCO INC	Yellowstone
MOTEL PARTNERS I - ECONOLODGE	MOTEL PARTNERS I	Missoula
BARRETTS MINERALS INC	BARRETTS MINERALS INC	Beaverhead
MONTANA AVIATION RESEARCH CO	MONTANA AVIATION RESEARCH CO	Valley
M & W MILLING & REFINING INC	M AND W MILLING AND REFINING INC	Madison
ASARCO LLC - MIKE HORSE/ANACONDA MINE	ACARCOLLO	
WATER TREATMENT SYSTEM	ASARCO LLC	Lewis and Clark
COLUMBIA FALLS ALUMINUM CO	COLUMBIA FALLS ALUMINUM CO	Flathead
ASARCO INC	ASARCO INC. (EAST HELENA)	Lewis and Clark
YELLOWSTONE ENERGY LIMITED PARTNERSHIP FACILITY	YELLOWSTONE ENERGY LTD. PART.	Yellowstone
TACILITY	TELLOWSTONE ENERGY ETD. FART.	renowstone
TVX MINERAL HILL INC -TVX MINERAL HILL MINE	TVX MINERAL HILL INC	Park
MONTANORE MINERALS CORP MONTANORE		
MINE	MONTANORE MINERALS CORP	Lincoln
REVETT SILVER COMPANY - ROCK CREEK MINE	REVETT SILVER COMPANY	Sanders
REC ADVANCED SILICON MATERIALS LLC	REC ADVANCED SILICON MATERIALS LLC	Silver Bow
M&K OIL COMPANY - WRIGHT CREEK WATER		
DISPOSAL FACILITY	M AND K OIL COMPANY INC	Powder River
FIDELITY EXPLORATION & PRODUCTION - DIRECT	FIDELITY EXPLORATION AND PRODUCTION	
DISCHARGE TONGUE RIVER	CO	Big Horn
SILVER BOW GENERATION PLANT	CES AQUISITION CORP	
SLEEPING BUFFALO HOT SPRINGS - LAGOON	SLEEPING BUFFALO HOT SPRINGS	Phillips
DON ABBEY - ABBEY MAIN HOUSE	DON ABBEY	Lake
PINNACLE GAS RESOURCES - COAL CREEK		
DEVELOPMENT UNIT	PINNACLE GAS RESOURCES INC	Big Horn
BARRETTS MINERALS - REGAL MINE	BARRETTS MINERALS INC	Beaverhead
DAVID ROBERTUS CAFO	DAVID ROBERTUS CAFO	Stillwater
FIDELITY TONGLIE BIVED DROJECT WITE	FIDELITY EXPLORATION AND PRODUCTION	Dig Hown
FIDELITY - TONGUE RIVER PROJECT WTF HEADWATERS LIVESTOCK AUCTION	CO HEADWATERS LIVESTOCK AUCTION	Big Horn Broadwater
YUKON MINE	YUKON MINING INC	Judith Basin
WOLF MOUNTAIN COAL	WOLF MOUNTAIN COAL INC	Big Horn
WOEI WOONTAIN COAL	WOLF WOONTAIN COAL INC	DIG FIOTH
MINES MANAGEMENT INC MONTANAORE MINE	MINES MANAGEMENT INC	
SASS LAND LLC	SASS LAND LLC	Fergus
CATTLE DEVELOPMENT CENTER	CATTLE DEVELOPMENT CENTER LLC	Yellowstone
FIDELITY EXPLORATION & PRODUCTION CO DEER		
CREEK TREATMENT FACILITIES	FIDELITY EXPLORATION & PRODUCTION CO	Big Horn
TERAS RESOURCES INC GOLDEN JUBILEE MINE	TERAS RESOURCES INC	Deer Lodge
JAMES GUERCIO - OW RANCH	JAMES GUERCIO	Big Horn
GARRY TALLENT - TALLENT HOME PROJECT	GARRY TALLENT	Flathead

IOFINA NATURAL GAS WATER TREATMENT
FACILITY
All covered under the CAFO GP

All covered under the Fish Farm GP

IOFINA NATURAL GAS INC

Hill

Zip	4-digit SIC	Flow (mgd)	NOTES
59937	4011	0.096	
33337	1011	0.030	
			Hard to say if and when that is in operation at whatever
59806			they are looking into or turns into an industrial park
59808	2013	0.3	
59701		5.04	
			Hard to say if and when that is in operation or turns into
59823			an industrial park
59107	2819	3.28752	
59270	2063	1.3	
59107	2911	2.66	
59044	2911	2.174	
59101	2063	9.36	
59270	4911	42.43	
59044			Terminated and Sent to archives
	011 and 4013	0.14256	
59107	4911	131	
59635	2813	0.038	
	422 and 3241	0.03773	
59101	2911	2.7	
59752	3241	0.0072	
59323	1221	3.045	
59025 59106	7032	1.12 0.02	
39100	7032	0.02	
59034	1221	1.44	
59722	8062	0.1	
59634	8051	0.015	
59454	1311	0	Not yet issued
59262	1221	0.576	
59632		0.085	
59323	1221		
59025		0.89	
59025	1221	0.02	
59061	1021	0.94176	
59624			
59011	1099	0.648	
59720	1499	0.10368	
59101	2911	5.86368	
59638	1099	0	

59720	1499		
59729	181		
59072	1221	0.36	
59101			Terminated and sent to archives
59802	5812	0.72864	
59725	1499	1.5768	
59230	4941	0.05	
59755	1041	0.0216	
59639	1021	0.0468	
59912	3334	0.60091	
59635	3339	0.13699	
59101	4911	0.2494	
59030	1041	0.28	
59923 1021 and 10		0.01584	
59853	1021	0	
59750	3339	1.152	
59316	1311	0.0168	
59025			Terminated and sent to archives
59025 59701			Terminated and sent to archives
59701		0 0129	Terminated and sent to archives Terminated and sent to archives
59701 59261	1961	0.0129	
59701	4961	0.0129 0.5	
59701 59261 59931			
59701 59261 59931 59025	1311	0.5	
59701 59261 59931 59025 59725		0.5 0.144	Terminated and sent to archives
59701 59261 59931 59025	1311	0.5 0.144	
59701 59261 59931 59025 59725	1311	0.5 0.144	Terminated and sent to archives
59701 59261 59931 59025 59725 59063	1311 1099	0.5 0.144	Terminated and sent to archives
59701 59261 59931 59025 59725 59063	1311 1099 1311	0.5 0.144 2.44	Terminated and sent to archives Terminated and sent to archives
59701 59261 59931 59025 59725 59063 59025 59752	1311 1099 1311	0.5 0.144	Terminated and sent to archives Terminated and sent to archives
59701 59261 59931 59025 59725 59063 59025 59752 59462 1041 and 10	1311 1099 1311	0.5 0.144 2.44 0.00576	Terminated and sent to archives Terminated and sent to archives
59701 59261 59931 59025 59725 59063 59025 59752 59462 1041 and 10	1311 1099 1311 44 1221	0.5 0.144 2.44 0.00576 0.0048	Terminated and sent to archives Terminated and sent to archives
59701 59261 59931 59025 59725 59063 59025 59752 59462 1041 and 10 59025	1311 1099 1311 44 1221	0.5 0.144 2.44 0.00576 0.0048	Terminated and sent to archives Terminated and sent to archives Pending
59701 59261 59931 59025 59725 59063 59025 59752 59462 1041 and 10 59025 59923 1021 and 10	1311 1099 1311 44 1221	0.5 0.144 2.44 0.00576 0.0048	Terminated and sent to archives Terminated and sent to archives Pending Not Yet Issued
59701 59261 59931 59025 59725 59063 59025 59752 59462 1041 and 10 59025 59923 1021 and 10 59457	1311 1099 1311 44 1221	0.5 0.144 2.44 0.00576 0.0048	Terminated and sent to archives Terminated and sent to archives Pending Not Yet Issued
59701 59261 59931 59025 59725 59063 59025 59752 59462 1041 and 10 59025 59923 1021 and 10 59457	1311 1099 1311 44 1221	0.5 0.144 2.44 0.00576 0.0048	Terminated and sent to archives Terminated and sent to archives Pending Not Yet Issued
59701 59261 59931 59025 59725 59063 59025 59752 59462 1041 and 10 59025 59923 1021 and 10 59457 59024	1311 1099 1311 44 1221	0.5 0.144 2.44 0.00576 0.0048	Terminated and sent to archives Terminated and sent to archives Pending Not Yet Issued Pending
59701 59261 59931 59025 59725 59063 59025 59752 59462 1041 and 10 59025 59923 1021 and 10 59457 59024	1311 1099 1311 44 1221	0.5 0.144 2.44 0.00576 0.0048	Terminated and sent to archives Terminated and sent to archives Pending Not Yet Issued Pending Not yet issued

59525 1311 0

low info from permit

0

#N/A

3-day Average: 0.0619. Daily Min: 0.045. Daily Max: 0.139 (mgd)

Calculation are based on 5.04 mgd

#N/A

1,439 gmp

Outfall 1: 164,253 gpd. Outfall 2: 143,996 gpd

Max 30 d average = 0.75 mgd

Mean annual average monthly flow = 0.697 MGD

Outfall 001; 2.4 mgd at Outfall 002; and 0.04 mgd (48.4 gallons per minute) at Outfall 004.

42.34 mgd (majority is once-thorugh cooling water). Ash pond discharge is 0.36 mgd

#N/A

0.0384 mgd

Outfalls 002 is a discharge of condenser cooling water with an estimated flow of 50 MGD and a maximum flow of 1

#N/A

Outfall 003: 0.08 mgd Treatment Plant: 1 mgd

0.007 mgd 0.33 mgd 1.12 mgd

Intermitent discharhe. Design flow: 0.023 mgd

0

Design flow: 0.1 mgd

Design Flow, Average (mgd): 0.015

#N/A

The flow rate reported for this discharge was 0.576 MGD.

Design: 0.085 MGD. Average: 94 gpm

0

Average: 0.89 mgd

0.02 mgd (?) 2000 gpm

#N/A

737 gpm

220,700 gpd

2352 gpm

0

```
55 cfs
#N/A
175 gpm
#N/A
#N/A
001: 666 gpm; 002: 236 gpm
0.06 mgd. No discharge has been recorded
                  0
32.5 gpm
2.4 and 2 mgd. Total 4.4 mgd
55 gpm
70 gpm
2 gpm
                  0
                  0
0.8 mgd
11.67 gpm
#N/A
#N/A
Design flow: 0.0129 mgd
#N/A
                  0
                  0
#N/A
850 or 1700 gpm
                  0
#N/A
4800 gpd (Effluent discharged to surface waters is expected to occur only during storm events greater than the 25-y
#N/A
#N/A
                  0
#N/A
#N/A
0.52-5.43 mgd
#N/A
```

#N/A

#N/A

31 MGD. Outfall 003 is a discharge which consists of an estimated 210 gpm fro	m the Corette Plant bottom ash was

ear/ 24-hour event)



n and storm runoff from the plant	site not to include storm	n runoff from coal stockp	iles

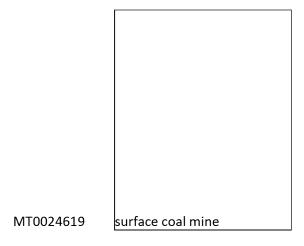
	Facility Description						
						Permit	
Permit Number	Facility Name	SIC	County	City	Receiving Water	Date	Type of Facility
					Lee, Emile, Miller, and		
	BIG SKY COAL COMPANY -				Hay Coulees (tributary to		
MT0000884	BIG SKY MINE	1221	Rosebud	Colstrip	Rosebud Creek)	2008	surface coal mine
	DECKER COAL CO (WEST						
MT0000892	MINE)		Big Horn	Decker	Tongue River Reservoir	2006	surface coal mine
	WESTMORELAND RESOURCE	S					
MT0021229	INC - ABSALOKA MINE	1221	Big Horn	Hardin	Sarpy Creek	2003	surface coal mine

MT0023604	MT0023604	WESTMORELAND SAVAGE CORP - SAVAGE MINE	1221	Richland	Savage	Peabody and Garden Coulees	2008
MT0023965	MT0023965	WESTERN ENERGY CO - ROSEBUD MINE	1221	Rosebud	Colstrip	Stocker Creek, Hay Coulee, South Fork Cow Creek, Cow Creek, East Fork Armells Creek, Castle Rock Reservoir, Spring Creek, West Fork Armells Creek, Black Hank Creek, Donley Creek, Lee Coulee and Pony Creek.	1999
MT0024210	MT0024210	DECKER COAL CO (EAST MINE)		Big Horn	Decker	Tongue River Reservoir	2006

MT0024619	MT0024619	SPRING CREEK MINE	1221	Big Horn	Decker	Spring Creek	

Permit Number	Type of Facility
MT0000884	surface coal mine
MT0000892	surface coal mine
MT0021229	surface coal mine

MT0023604	surface coal mine
MT0023965	surface coal mine
MT0024210	surface coal mine



Facility Descriptions

Permit Number	Effluent Stream	Treatment System
MT0000884	21 outfalls. All treated stormwater	sediment pond
	001 — treated pit water and	
	commingled storm water	
	discharged from pond #4;	
	005- treated coal preparation plant	
	associated areas and commingled	
	storm water from pond #1	
	007 — treated pit water and commingled storm water	
	discharged from settling pond #24;	
	008 — spoil pile runoff and storm	
	water discharged from settling	
	pond #25	
	010 — spoil pile runoff and storm	
	water discharged from settling	
MT0000892	pond #26	sedimentation ponds.
		sediment control facilities including
		ponds, traps and alternate sediment
MT0021229	012 Alkaline Mine Drainage	control installations

		1
MT0023604	001 - Overflow from North Pond 2; Mine drainage 002 - Overflow from South Pond 1; Mine drainage 003 - Overflow from South Pond 2; Mine drainage 004 - Overflow from Tipple Pond; Mine drainage 005 - Overflow from South Pond 3; Coal plant wash down and mine drainage	
MT0023965	Multiple	various sediment control facilities including ponds, traps and alternate sediment control installations
MT0024210	002 — treated pit water and commingled storm water discharged from settling pond R-1	

	001 - Overflow structure of Pond 1; Mine drainage	
	002 - Overflow structure of Pond 2;	
(Commingled coal plant wash	
c	down, Mine drainage and pit	
\	water, and CBNG produced water	
C	007 - Overflow structure of Pond	Each outfall is associated with a
1	17; Mine drainage	sediment pond designed to contain the
(012 - Overflow structure of Pond	runoff from a 25-year, 24-hour rainfall
Ξ	39; Mine drainage	event.

MT0024619

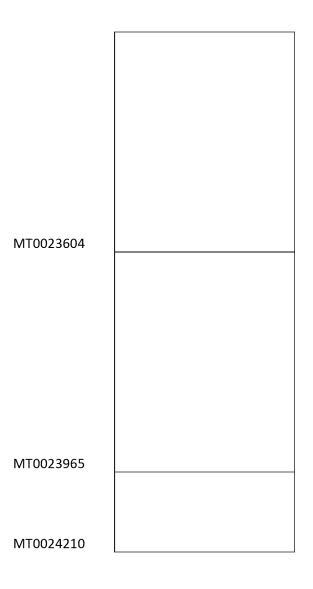
Effluent Data

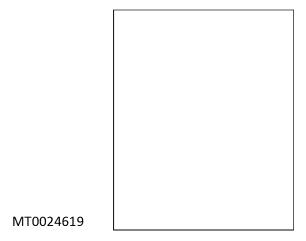
Down:t Nombou	Monitoring Notes (impt to	Average Flow (s)	Nitro con Constituents	Dhoanhaus Canatituanta
Permit Number	nutrients)	Average Flow (s)	Nitrogen Constituents	Phosphorus Constituents
	No Nutrients monitoring			
MT0000884	requirements	0.33 mgd		
			TN: min: 0.46 Max: 3.39 Av	ve: TP: min >0.01, max: 0.23,
MT0000892		1.12 mgd	2.01	ave: 0.07
5000052		11100		2.0.0.0
	No Nutrionts monitoring			
N/T0021220	No Nutrients monitoring			
MT0021229	requirements			

	The flow rate reported for this discharge was 0.576 MGD.	
No Nutrients monitoring requirements		
		TP: min: <0.01, max: 0.18, av: 0.1

NI - NI - NI			
No Nutrients monitoring			
requirements	0.02 mgd (?)		

Permit Number	Notes
MT0000884	
MT0000892	
MT0021229	





WERF

Level		Capital Cost (\$/gpd)
Level 1	No N and P removal	9.3
Level 2	1 mg/l TP; 8 mg/l TN	12.7
Level 3	0.1-0.3 mg/l TP; 4-8 mg/l TN	14.4
Level 4	<0.1 mg/l TP; 3 mg/l TN	15.3
Level 5	<0.01 mg/l TP; 1 mg/l TN	21.8
100% RO	<0.01 mg/l TP; 1 mg/l TN	28.3

NPDES ID	Facility Name	Flow (mgd) Current Level
MT0000264	CENEX HARVEST STATES COOP.	2.174 Level 1
MT0000256	CONOCOPHILLIPS - BILLINGS REFINERY	2.66 Level 1
MT0000191	MONTANA RESOURCES	5.04 Level 4
MT0000248	SIDNEY SUGARS INCORPORATED	1.3 level 1
MT0000281	WESTERN SUGAR COOPERATIVE	9.36 level 1
MT0000477	EXXONMOBIL REFINING & SUPPLY	2.7 Level 1
MT0000485	TRIDENT PLANT	0.0072 Level 2
MT0000892	DECKER COAL CO (WEST MINE)	1.12 Level 4
MT0020460	YELLOWSTONE BOYS & GIRLS RANCH	0.02 Level 1
MT0021431	MT BEHAVIORAL HEALTH INC WWTP	0,1 level 1
MT0023566	ELKHORN HEALTH CARE WWTP	0.015 level 1
MT0023639	BOULDER HOT SPRINGS WWTP	0.085 Level 3
MT0024210	DECKER COAL CO (EAST MINE)	0.89 Level 4
MT0024716	STILLWATER MINING COMPANY	0.94176 Level 4
MT0026808	STILLWATER MINING COMPANY	0.648 level 3
MT0027821	BEAVERHEAD TALC MINE	0.10368 Level 1
MT0028321	EXXON MOBIL BILLINGS REFINERY	5.86368 Level 1
MT0028428	MONTANA TUNNELS MINING INC	0 level 5

MT0028584	LUZENAC AMERICA INC - YELLOWSTONE MINE	0 Level 3
MT0029891	BARRETTS MINERALS INC	1.5768 Level 3
MT0030015	M & W MILLING & REFINING INC	0.0216 Level 1
MT0030031	ASARCO LLC - MIKE HORSE/ANACONDA MINE W	0.0468 Level 1
MT0030147	ASARCO INC	0.13699 Level 3
MT0030180	YELLOWSTONE ENERGY LIMITED PARTNERSHIP F.	0.2494 Level 3
MT0030279	MONTANORE MINERALS CORP MONTANORE MII	0.01584 Level 5
MT0030350	REC ADVANCED SILICON MATERIALS LLC	1.152 Level 3
MT0030643	SLEEPING BUFFALO HOT SPRINGS - LAGOON	0.0129 Level 1
MT0030660	PINNACLE GAS RESOURCES - COAL CREEK DEVELO	0 Level 1
MT0030724	FIDELITY - TONGUE RIVER PROJECT WTF	2.44 Level 4
MT0030741	HEADWATERS LIVESTOCK AUCTION	0 CAFO
MT0031411	WOLF MOUNTAIN COAL	0.0048 Level 1
MT0031534	CATTLE DEVELOPMENT CENTER	0 CAFO
MT0031593	JAMES GUERCIO - OW RANCH	0.19 Level 4
MT0031623	IOFINA NATURAL GAS WATER TREATMENT FACIL	0 Level 5

Operation (\$1/ MG/c Treated)	
	250
	350
	640
	880
	1370
	1860

0.0802420 years, 5% rate

20 years, 5% rate	0.08024
20 years, 7% rat∈	0.09439

Future Level	Capital Cost(\$million/MGD)	Capital Costs (\$million)	Capital Costs (Assumed 20 years, 5% rate;	Capital Costs	Operations (\$1/ MG/day Treated)
100% RO	19	\$41.31	\$3.31	\$3,314,500.31	1610
100% RO	19	\$50.54	\$4.06	\$4,055,460.36	1610
100% RO	13	\$65.52	\$5.26	\$5,257,494.31	980
100% RO	19	\$24.70	\$1.98	\$1,981,991.90	1610
100% RO	19	\$177.84	\$14.27	\$14,270,341.71	1610
100% RO	19	\$51.30	\$4.12	\$4,116,444.72	1610
100% RO	15.6	\$0.11	\$0.01	\$9,012.85	1510
100% RO	13	\$14.56	\$1.17	\$1,168,332.07	980
100% RO	19	\$0.38	\$0.03	\$30,492.18	1610
100% RO	19	\$1.90	\$0.15	\$152,460.92	1610
100% RO	19	\$0.29	\$0.02	\$22,869.14	1610
100% RO	13.9	\$1.18	\$0.09	\$94,806.62	1220
100% RO	13	\$11.57	\$0.93	\$928,406.73	980
100% RO	13	\$12.24	\$0.98	\$982,400.37	980
100% RO	13.9	\$9.01	\$0.72	\$722,761.03	1220
100% RO	19	'	•	Ŧ == = / = : = : : =	
100% RO	19	\$111.41	\$8.94	\$8,939,820.22	1610
100% RO	6.5	\$0.00	\$0.00	\$0.00	490

100% RO	13.9	\$0.00	\$0.00	\$0.00	1220
100% RO	13.9	\$21.92	\$1.76	\$1,758,718.51	1220
100% RO	19	\$0.41	\$0.03	\$32,931.56	1610
100% ŔO	19	\$0.89	\$0.07	\$71,351.71	1610
100% RO	13.9	\$1.90	\$0.15	\$152,799.27	1220
100% RO	13.9	\$3.47	\$0.28	\$278,173.77	1220
100% RO	6.5	\$0.10	\$0.01	\$8,261.78	490
100% RO	13.9	\$16.01	\$1.28	\$1,284,908.50	1220
100% RO	19	\$0.25	\$0.02	\$19,667.46	1610
100% RO	19	\$0.00	\$0.00	\$0.00	1610
100% RO	13	\$31.72	\$2.55	\$2,545,294.87	980
100% RO	#N/A	#N/A	#N/A	#N/A	#N/A
100% RO	19	\$0.09	\$0.01	\$7,318.12	1610
100% RO	#N/A	#N/A	#N/A	#N/A	#N/A
100% RO	13	\$2.47	\$0.20	\$198,199.19	980
100% RO	6.5	\$0.00	\$0.00	\$0.00	490

Operations Costs (\$/ year/ 1 MGD)	Operations Costs (annual) based on	Replacement Cost (\$24,000 /yr/1 MGD)*Actual Flow	Operations costs including membrane replacement	Operations costs including membrane replacement + Labor Low	Total Operations costs including membrane replacement + Labor Hi (48%)
587,650.00	1,277,551.10	52,176.00	1,329,727.10	\$1,826,902.15	\$2,920,687.25
587,650.00	1,563,149.00	63,840.00	1,626,989.00	\$2,235,308.05	\$3,573,609.97
357,700.00	1,802,808.00	120,960.00	1,923,768.00	\$2,712,392.15	\$4,447,365.27
587,650.00	763,945.00	31,200.00	795,145.00	\$1,092,443.79	\$1,746,501.11
587,650.00	5,500,404.00	224,640.00	5,725,044.00	\$7,865,595.26	\$12,574,808.02
587,650.00	1,586,655.00	64,800.00	1,651,455.00	\$2,268,921.71	\$3,627,348.47
551,150.00	3,968.28	172.80	4,141.08	\$5,493.01	\$8,467.25
357,700.00	400,624.00	26,880.00	427,504.00	\$602,753.81	\$988,303.39
587,650.00	11,753.00	480.00	12,233.00	\$16,806.83	\$26,869.25
587,650.00	58,765.00	2,400.00	61,165.00	\$84,034.14	\$134,346.24
587,650.00	8,814.75	360.00	9,174.75	\$12,605.12	\$20,151.94
445,300.00	37,850.50	2,040.00	39,890.50	\$54,111.49	\$85,397.68
357,700.00	318,353.00	21,360.00	339,713.00	\$478,974.01	\$785,348.23
357,700.00	336,867.55	22,602.24	359,469.79	\$506,829.85	\$831,021.97
445,300.00	288,554.40	15,552.00	304,106.40	\$412,520.55	\$651,031.70
587,650.00	60,927.55	2,488.32	63,415.87	\$87,126.59	\$139,290.18
587,650.00	3,445,791.55	140,728.32	3,586,519.87	\$4,927,492.90	\$7,877,633.58
178,850.00	0.00	0.00	0.00	\$0.00	\$0.00

	445,300.00	0.00	0.00	0.00	\$0.00	\$0.00
	445,300.00	702,149.04	37,843.20	739,992.24	\$1,003,800.02	\$1,584,177.12
	587,650.00	12,693.24	518.40	13,211.64	\$18,151.37	\$29,018.79
	587,650.00	27,502.02	1,123.20	28,625.22	\$39,327.98	\$62,874.04
	445,300.00	61,003.43	3,287.86	64,291.28	\$87,211.17	\$137,634.93
	445,300.00	111,057.82	5,985.60	117,043.42	\$158,769.49	\$250,566.83
	178,850.00	2,832.98	380.16	3,213.14	\$4,452.41	\$7,178.80
	445,300.00	512,985.60	27,648.00	540,633.60	\$733,369.88	\$1,157,389.68
	587,650.00	7,580.69	309.60	7,890.29	\$10,840.40	\$17,330.66
	587,650.00	0.00	0.00	0.00	\$0.00	\$0.00
	357,700.00	872,788.00	58,560.00	931,348.00	\$1,313,142.23	\$2,153,089.54
#N/A		#N/A	0.00	#N/A	#N/A	#N/A
	587,650.00	2,820.72	115.20	2,935.92	\$4,033.64	\$6,448.62
#N/A		#N/A	0.00	#N/A	#N/A	#N/A
	357,700.00	67,963.00	4,560.00	72,523.00	\$102,252.88	\$167,658.61
	178,850.00	0.00	0.00	0.00	\$0.00	\$0.00

WERF

Level	Description		Operations (\$1/ MG/day Treated)
Level 1	No N and P removal	9.3	250
Level 2	1 mg/l TP; 8 mg/l TN	12.7	350
Level 3	0.1-0.3 mg/l TP; 4-8 mg/l TN	14.4	640
Level 4	<0.1 mg/l TP; 3 mg/l TN	15.3	880
Level 5	<0.01 mg/l TP; 1 mg/l TN	21.8	1370
100% RO	<0.01 mg/l TP; 1 mg/l TN	28.3	1860

NPDES ID Facility Name	Flow (mgd)	Current Level		Capital Cost(\$million/MGD)
MT000026CENEX HARVEST ST	2.174	Level 1	100% RO	19
MT000025CONOCOPHILLIPS -	2.66	Level 1	100% RO	19
MT000001BN WHITEFISH FAC	0.096	Level 3	100% RO	13.9
MT000009JOHN R DAILY INC	0.3	Level 3	100% RO	13.9
MT000019MONTANA RESOU	5.04	Level 4	100% RO	13
MT000023MONTANA SULPHI	3.28752	Level 3	100% RO	13.9
MT000024SIDNEY SUGARS IN	1.3	level 1	100% RO	19
MT000028WESTERN SUGAR (9.36	level 1	100% RO	19
MT000030MDU - LEWIS & CL	42.43	Level 3	100% RO	13.9
MT000038MONTANA RAIL LII	0.14256	Level 3	100% RO	13.9
MT000039CORETTE THERMA	131	Level 3	100% RO	13.9
MT000045ASH GROVE CEMEI	0.03773	Level 3	100% RO	13.9
MT000047EXXONMOBIL REFI	2.7	Level 1	100% RO	19
MT000048TRIDENT PLANT	0.0072	Level 2	100% RO	15.6
MT000088BIG SKY COAL COM	3.045	Level 3	100% RO	13.9
MT000089DECKER COAL CO (1.12	Level 4	100% RO	13
MT002046YELLOWSTONE BO	0.02	Level 1	100% RO	19
MT002122WESTMORELAND I	1.44	Level 3	100% RO	13.9

MT002143MT BEHAVIORAL H	0.1 level 1	100% RO	19
MT002356ELKHORN HEALTH	0.015 level 1	100% RO	19
MT002360WESTMORELAND 5	0.576Level 3	100% RO	13.9
MT002363BOULDER HOT SPF	0.085 Level 3	100% RO	13.9
MT002396WESTERN ENERGY	0 Level 3	100% RO	13.9
MT002421DECKER COAL CO (0.89 Level 4	100% RO	13
MT002461SPRING CREEK MIN	0.02 Level 3	100% RO	13.9
MT002471STILLWATER MINIF	0.94176 Level 4	100% RO	13
MT002680STILLWATER MINIF	0.648 level 3	100% RO	13.9
MT002782BEAVERHEAD TALC	0.10368 Level 1	100% RO	19
MT002832EXXON MOBIL BILL	5.86368 Level 1	100% RO	19
MT002842MONTANA TUNNE	0 level 5	100% RO	6.5
MT002858LUZENAC AMERIC/	0 Level 3	100% RO	13.9
MT002898BULL MOUNTAIN I	0.36 Level 3	100% RO	13.9
MT002989BARRETTS MINERA	1.5768 Level 3	100% RO	13.9
MT002998MONTANA AVIATI	0.05 Level 3	100% RO	13.9
MT003001M & W MILLING &	0.0216 Level 1	100% RO	19
MT003003ASARCO LLC - MIKI	0.0468 Level 1	100% RO	19
MT003006COLUMBIA FALLS /	0.60091 Level 3	100% RO	13.9
MT003014ASARCO INC	0.13699 Level 3	100% RO	13.9
MT003018YELLOWSTONE EN	0.2494 Level 3	100% RO	13.9
MT003027MONTANORE MIN	0.01584 Level 5	100% RO	6.5
MT003035REC ADVANCED SII	1.152 Level 3	100% RO	13.9
MT003039M&K OIL COMPAN	0.0168 Level 3	100% RO	13.9
MT003064SLEEPING BUFFALC	0.0129 Level 1	100% RO	19
MT003066PINNACLE GAS RES	0 Level 1	100% RO	19
MT003067BARRETTS MINERA	0.144 Level 3	100% RO	13.9
MT003072FIDELITY - TONGUE	2.44 Level 4	100% RO	13
MT003074HEADWATERS LIVE	0 CAFO	100% RO	#N/A
MT003141WOLF MOUNTAIN	0.0048 Level 1	100% RO	19
MT003153CATTLE DEVELOPN	0 CAFO	100% RO	#N/A
MT003159JAMES GUERCIO -	0.19 Level 4	100% RO	13
MT003162IOFINA NATURAL (0 Level 5	100% RO	6.5

0.0943920 years, 7% rate

20 years, 5% rate	0.08024
20 years, 7% rate	0.09439

Facility Upgrade Capital Costs (\$million)	Capital Costs (Assumed 20 years, 7% rate;	Annualized Capital Costs (Assumed 20 years, 7% rate; \$/year)	Operations (\$1/ MG/day Treated)	Operations Costs (\$/ year/ 1 MGD)	Facility Upgrade Operations Costs (annual) based on Facility MGD
\$41.31	\$3.90	\$3,898,994.19	1610	587,650.00	1,277,551.10
\$50.54	\$4.77	\$4,770,618.47	1610	587,650.00	1,563,149.00
\$1.33	\$0.13	\$125,957.92	1220	445,300.00	42,748.80
\$4.17	\$0.39	\$393,618.50	1220	445,300.00	
\$65.52	\$6.18	\$6,184,624.49	980	357,700.00	1,802,808.00
\$45.70	\$4.31	\$4,313,428.97	1220	445,300.00	1,463,932.66
\$24.70	\$2.33	\$2,331,505.27	1610	587,650.00	763,945.00
\$177.84	\$16.79	\$16,786,837.91	1610	587,650.00	5,500,404.00
\$589.78		\$55,670,776.57		445,300.00	18,894,079.00
\$1.98				445,300.00	63,481.97
\$1,820.90	\$171.88	171,880,078.49	1220	445,300.00	58,334,300.00
\$0.52	\$0.05	\$49,501.46	1220	445,300.00	16,800.28
\$51.30	\$4.84	\$4,842,357.09	1610	587,650.00	1,586,655.00
\$0.11	\$0.01	\$10,602.21	1510	551,150.00	3,968.28
\$42.33	\$4.00	\$3,995,227.78	1220	445,300.00	1,355,938.50
\$14.56	\$1.37	\$1,374,361.00	980	357,700.00	400,624.00
\$0.38	\$0.04	\$35,869.31	1610	587,650.00	11,753.00
\$20.02	\$1.89	\$1,889,368.80	1220	445,300.00	641,232.00

	\$1.90	\$0.18	\$179,346.56	1610	587,650.00	58,765.00
	\$0.29	\$0.03	\$26,901.98	1610	587,650.00	8,814.75
	\$8.01	\$0.76	\$755,747.52	1220	445,300.00	256,492.80
	\$1.18	\$0.11	\$111,525.24	1220	445,300.00	37,850.50
	\$0.00	\$0.00	\$0.00	1220	445,300.00	0.00
	\$11.57	\$1.09	\$1,092,126.15	980	357,700.00	318,353.00
	\$0.28	\$0.03	\$26,241.23	1220	445,300.00	8,906.00
	\$12.24	\$1.16	\$1,155,641.26	980	357,700.00	336,867.55
	\$9.01	\$0.85	\$850,215.96	1220	445,300.00	288,554.40
	\$1.97	\$0.19	\$185,946.51	1610	587,650.00	60,927.55
	\$111.41	\$10.52	\$10,516,308.31	1610	587,650.00	3,445,791.55
	\$0.00	\$0.00	\$0.00	490	178,850.00	0.00
	\$0.00	\$0.00	\$0.00	1220	445,300.00	0.00
	\$5.00	\$0.47	\$472,342.20	1220	445,300.00	160,308.00
	\$21.92	\$2.07	\$2,068,858.84	1220	445,300.00	702,149.04
	\$0.70	\$0.07	\$65,603.08	1220	445,300.00	22,265.00
	\$0.41	\$0.04	\$38,738.86	1610	587,650.00	12,693.24
	\$0.89	\$0.08	\$83,934.19	1610	587,650.00	27,502.02
	\$8.35	\$0.79	\$788,424.42	1220	445,300.00	267,583.00
	\$1.90	\$0.18	\$179,744.58	1220	445,300.00	61,003.43
	\$3.47	\$0.33	\$327,228.18	1220	445,300.00	111,057.82
	\$0.10	\$0.01	\$9,718.70	490	178,850.00	2,832.98
	\$16.01	\$1.51	\$1,511,495.04	1220	445,300.00	512,985.60
	\$0.23	\$0.02	\$22,042.64	1220	445,300.00	7,481.04
	\$0.25	\$0.02	\$23,135.71	1610	587,650.00	7,580.69
	\$0.00	\$0.00	\$0.00	1610	587,650.00	0.00
	\$2.00	\$0.19	\$188,936.88	1220	445,300.00	64,123.20
	\$31.72	\$2.99	\$2,994,143.60	980	357,700.00	872,788.00
#N/A		#N/A	#N/A	#N/A	#N/A	#N/A
	\$0.09	\$0.01	\$8,608.63	1610	587,650.00	2,820.72
#N/A		#N/A	#N/A	#N/A	#N/A	#N/A
	\$2.47	\$0.23	\$233,150.53	980	357,700.00	67,963.00
	\$0.00	\$0.00	\$0.00	490	178,850.00	0.00

Membrane Replacement Cost (\$24,000 /yr/1 MGD)*Actual Flow	costs including membrane replacement	membrane replacement	Total Operations costs including membrane replacement + Labor Hi (48%)
52,176.00	1,329,727.10	\$1,914,576.23	\$3,201,244.31
63,840.00	1,626,989.00	\$2,342,581.77	\$3,916,885.86
2,304.00	45,052.80	\$63,946.49	\$105,512.60
7,200.00	140,790.00	\$199,832.78	\$329,726.88
120,960.00	1,923,768.00	\$2,851,461.67	\$4,892,387.76
78,900.48	1,542,833.14	\$2,189,847.48	\$3,613,279.04
31,200.00	795,145.00	\$1,144,870.79	\$1,914,267.53
224,640.00	5,725,044.00	\$8,243,069.69	\$13,782,726.20
1,018,320.00	19,912,399.00	28,263,015.48	\$46,634,371.75
3,421.44	66,903.41	\$94,960.53	\$156,686.21
3,144,000.00	61,478,300.00	37,260,311.77	L43,980,737.67
905.47	17,705.75	\$25,130.97	\$41,466.45
64,800.00	1,651,455.00	\$2,377,808.56	\$3,975,786.40
172.80	4,141.08	\$5,731.41	\$9,230.14
73,080.00	1,429,018.50	\$2,028,302.67	\$3,346,727.83
26,880.00	427,504.00	\$633,658.15	\$1,087,197.28
480.00	12,233.00	\$17,613.40	\$29,450.27
34,560.00	675,792.00	\$959,197.32	\$1,582,689.02

2,400.00	61,165.00	\$88,066.98	\$147,251.35
360.00	9,174.75	\$13,210.05	\$22,087.70
13,824.00	270,316.80	\$383,678.93	\$633,075.61
2,040.00	39,890.50	\$56,619.29	\$93,422.62
0.00	0.00	\$0.00	\$0.00
21,360.00	339,713.00	\$503,531.92	\$863,933.55
480.00	9,386.00	\$13,322.19	\$21,981.79
22,602.24	359,469.79	\$532,815.98	\$914,177.60
15,552.00	304,106.40	\$431,638.79	\$712,210.06
2,488.32	63,415.87	\$91,307.85	\$152,670.20
140,728.32	3,586,519.87	5,163,966.12	\$8,634,347.86
0.00	0.00	\$0.00	\$0.00
0.00	0.00	\$0.00	\$0.00
8,640.00	168,948.00	\$239,799.33	\$395,672.26
37,843.20	739,992.24	1,050,321.07	\$1,733,044.48
1,200.00	23,465.00	\$33,305.46	\$54,954.48
518.40	13,211.64	\$19,022.47	\$31,806.29
1,123.20	28,625.22	\$41,215.35	\$68,913.63
14,421.72	282,004.72	\$400,268.38	\$660,448.44
3,287.86	64,291.28	\$91,252.97	\$150,568.68
5,985.60	117,043.42	\$166,127.65	\$274,112.95
380.16	3,213.14	\$4,670.95	\$7,878.12
27,648.00	540,633.60	\$767,357.86	\$1,266,151.22
403.20	7,884.24	\$11,190.64	\$18,464.71
309.60	7,890.29	\$11,360.64	\$18,995.42
0.00	0.00	\$0.00	\$0.00
3,456.00	67,579.20	\$95,919.73	\$158,268.90
58,560.00	931,348.00	1,380,469.54	\$2,368,536.93
0.00	#N/A	#N/A	#N/A
115.20	2,935.92	\$4,227.22	\$7,068.06
0.00		#N/A	
		\$107,495.58	\$184,435.25
0.00	0.00		\$0.00

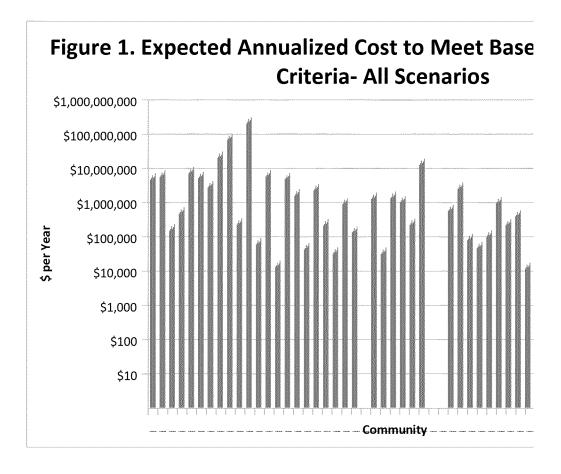
Original	0	0	0
Scenario A	0	1	0
Scenario B	0	0	1
Scenario C	1	0	0
Scenario D	1	1	0
Scenario E	1	0	1

NPDES	Original	Scenario A	Scenario B	Scenario C	Scenario D
MT0000264	\$ 4,644,227		\$ 6,235,188		\$ 5,813,570
MT0000256	\$ 5,682,449		\$ 7,629,070		\$ 7,113,200
MT000019	\$ 152,129		\$ 203,525		\$ 189,904
MT0000013	\$ 475,402		\$ 636,015	\$ 534,409	\$ 593,451
MT0000191	\$ 7,181,262		\$ 9,704,860		\$ 9,036,086
MT0000230	\$ 5,209,641		\$ 6,969,708		\$ 6,503,276
MT0000248	\$ 2,777,137		\$ 3,728,493	\$ 3,126,650	\$ 3,476,376
MT0000281	\$ 19,995,386		\$ 26,845,150		\$ 25,029,908
MT0000302	\$ 67,237,631		\$ 89,953,743		\$ 83,933,792
MT0000388	\$ 225,911		\$ 302,234	\$ 253,951	\$ 282,008
MT0000396	\$ 207,592,027		\$ 277,726,616		\$ 259,140,390
MT0000451	\$ 59,787		\$ 79,985	\$ 67,207	\$ 74,632
MT0000477	\$ 5,767,900		\$ 7,743,793	\$ 6,493,812	\$ 7,220,166
MT0000485	\$ 13,154		\$ 17,480		\$ 16,334
MT0000884	\$ 4,825,326		\$ 6,455,554		\$ 6,023,530
MT0000892	\$ 1,595,836		\$ 2,156,635		\$ 2,008,019
MT0020460	\$ 42,725		\$ 57,361	\$ 48,102	\$ 53,483
MT0021229	\$ 2,281,928	\$ 2,522,848	\$ 3,052,873	\$ 2,565,161	\$ 2,848,566
MT0021431	\$ 213,626	\$ 236,495	\$ 286,807	\$ 240,512	\$ 267,414
MT0023566	\$ 32,044	\$ 35,474	\$ 43,021	\$ 36,077	\$ 40,112
MT0023604	\$ 912,771	\$ 1,009,139	\$ 1,221,149	\$ 1,026,064	\$ 1,139,426
MT0023639	\$ 134,697	\$ 148,918	\$ 180,204	\$ 151,416	\$ 168,145
MT0023965	\$ -	\$ -	\$ -	\$ -	\$ -
MT0024210	\$ 1,268,120	\$ 1,407,381	\$ 1,713,755	\$ 1,431,839	\$ 1,595,658
MT0024619	\$ 31,693	\$ 35,040	\$ 42,401	\$ 35,627	\$ 39,563
MT0024716	\$ 1,341,870	\$ 1,489,230	\$ 1,813,422	\$ 1,515,111	\$ 1,688,457
MT0026808	\$ 1,026,867	\$ 1,135,282	\$ 1,373,793	\$ 1,154,322	\$ 1,281,855
MT0027821	\$ 221,487	\$ 245,198	\$ 297,362	\$ 249,362	\$ 277,254
MT0028321	\$ 12,526,340	\$ 13,867,313	\$ 16,817,454	\$ 14,102,828	\$ 15,680,274
MT0028428	\$ -	\$ -	\$ -	\$ -	\$ -
MT0028584	\$ -	\$ -	\$ -	\$ -	\$ -
MT0028983	\$ 570,482	\$ 630,712	\$ 763,218	\$ 641,290	\$ 712,142
MT0029891	\$ 2,498,711	\$ 2,762,519	\$ 3,342,896	\$ 2,808,851	\$ 3,119,180
MT0029980	\$ 79,234	\$ 87,599	\$ 106,003	\$ 89,068	\$ 98,909
MT0030015	\$ 46,143	\$ 51,083	\$ 61,950	\$ 51,950	\$ 57,761
MT0030031	\$ 99,977	•	\$ 134,226	\$ 112,559	\$ 125,150
MT0030066	\$ 952,237	\$ 1,052,772	\$ 1,273,949	\$ 1,070,429	\$ 1,188,693
MT0030147	\$ 217,091	\$ 240,010	\$ 290,434	\$ 244,036	\$ 270,998
MT0030180	\$ 395,217		\$ 528,741		\$ 493,356
MT0030279	\$ 11,475		\$ 15,441		\$ 14,390
MT0030350	\$ 1,825,542		\$ 2,442,298		\$ 2,278,853
MT0030392	\$ 26,622		\$ 35,617		\$ 33,233
MT0030643	\$ 27,558		\$ 36,998		\$ 34,496
MT0030660	\$ -	\$ -	\$ -	\$ -	\$ -

MT0030678	\$ 228,193	\$ 252,285	\$ 305,287	\$ 256,516	\$ 284,857
MT0030724	\$ 3,476,643	\$ 3,858,437	\$ 4,698,384	\$ 3,925,492	\$ 4,374,613
MT0030741	#N/A #	N/A #	‡N/A #	‡N/A #	#N/A
MT0031411	\$ 10,254	\$ 11,352	\$ 13,767	\$ 11,545	\$ 12,836
MT0031534	#N/A #	N/A #	‡N/A #	‡N/A #	#N/A
MT0031593	\$ 270,722	\$ 300,452	\$ 365,858	\$ 305,674	\$ 340,646
MT0031623	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 364,205,474	\$ 402,798,363	\$ 487,702,718	\$ 409,576,430	\$ 454,974,963

Scenario E \$7,100,239 \$8,687,504 \$ 231,471 \$ 723,345 \$ 11,077,012 \$7,926,708 \$4,245,773 \$ 30,569,564 \$ 102,305,148 \$ 343,734 \$ 315,860,816 \$ 90,968 \$8,818,143 \$ 19,832 \$ 7,341,956 \$ 2,461,558 \$ 65,320 \$3,472,058 \$ 326,598 \$ 48,990 \$1,388,823 \$ 204,948 \$ -\$1,956,060 \$ 48,223 \$ 2,069,819 \$1,562,426 \$ 338,617 \$ 19,150,656 \$-\$ -\$868,014 \$3,801,903 \$ 120,558 \$ 70,545 \$ 152,848 \$ 1,448,873 \$ 330,313 \$601,341 \$ 17,597 \$ 2,777,646 \$ 40,507 \$ 42,131

\$ -



\$ 347,206

\$ 5,362,681

#N/A

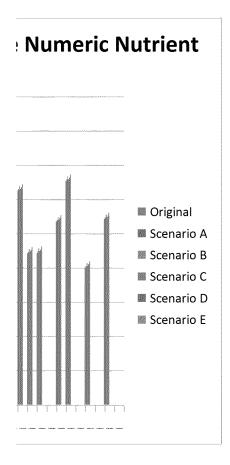
\$ 15,677

#N/A

\$ 417,586

\$-

\$ 554,851,734



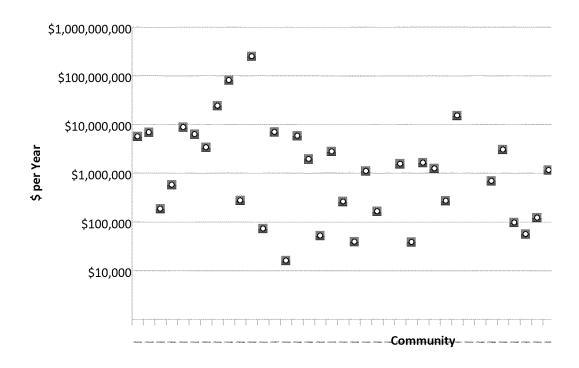
NPDES	Min A	Average	Max	Median
MT0000264	\$ 4,644,227	\$ 5,693,891	\$ 7,100,239	\$ 5,521,146
MT0000256	\$ 5,682,449	\$ 6,966,767	\$ 8,687,504	\$ 6,755,404
MT0000019	\$ 152,129	\$ 186,038	\$ 231,471	\$ 180,458
MT000094	\$ 475,402	\$ 581,369	\$ 723,345	\$ 563,930
MT0000191	\$ 7,181,262	\$ 8,846,250	\$ 11,077,012	\$ 8,572,239
MT0000230	\$ 5,209,641	\$ 6,370,876	\$ 7,926,708	\$ 6,179,769
MT0000248	\$ 2,777,137	\$ 3,404,811	\$ 4,245,773	\$ 3,301,513
MT0000281	\$ 19,995,386	\$ 24,514,638	\$ 30,569,564	\$ 23,770,895
MT0000302	\$ 67,237,631	\$ 82,224,984	\$ 102,305,148	\$ 79,758,484
MT0000388	\$ 225,911	\$ 276,267	\$ 343,734	\$ 267,979
MT0000396	\$ 207,592,027	\$ 253,864,552	\$ 315,860,816	\$ 246,249,384
MT0000451	\$ 59,787	\$ 73,113	\$ 90,968	\$ 70,920
MT0000477	\$ 5,767,900	\$ 7,071,530	\$ 8,818,143	\$ 6,856,989
MT0000485	\$ 13,154	\$ 16,008	\$ 19,832	\$ 15,538
MT0000884	\$ 4,825,326	\$ 5,900,897	\$ 7,341,956	\$ 5,723,888
MT0000892	\$ 1,595,836	\$ 1,965,833	\$ 2,461,558	\$ 1,904,942
MT0020460	\$ 42,725	\$ 52,382	\$ 65,320	\$ 50,793
MT0021229	\$ 2,281,928	\$ 2,790,572	\$ 3,472,058	\$ 2,706,863
MT0021431	\$ 213,626	\$ 261,909	\$ 326,598	\$ 253,963
MT0023566	\$ 32,044	\$ 39,286	\$ 48,990	\$ 38,094
MT0023604	\$ 912,771	\$ 1,116,229	\$ 1,388,823	\$ 1,082,745
MT0023639	\$ 134,697	\$ 164,721	\$ 204,948	\$ 159,780
MT0023965	\$ -	\$ -	\$ -	\$ -
MT0024210	\$ 1,268,120	\$ 1,562,135	\$ 1,956,060	\$ 1,513,749
MT0024619	\$ 31,693	\$ 38,758	\$ 48,223	\$ 37,595
MT0024716	\$ 1,341,870	\$ 1,652,985	\$ 2,069,819	\$ 1,601,784
MT0026808	\$ 1,026,867	\$ 1,255,757	\$ 1,562,426	\$ 1,218,089
MT0027821	\$ 221,487	\$ 271,547	\$ 338,617	\$ 263,308
MT0028321	\$ 12,526,340	\$ 15,357,478	\$ 19,150,656	
MT0028428	\$ -	\$ -	\$ -	\$ -
MT0028584	\$ -	\$ -	\$ -	\$ -
MT0028983	\$ 570,482	\$ 697,643	\$ 868,014	\$ 676,716
MT0029891	\$ 2,498,711	\$ 3,055,677	\$ 3,801,903	\$ 2,964,015
MT0029980	\$ 79,234	\$ 96,895	\$ 120,558	\$ 93,988
MT0030015	\$ 46,143	\$ 56,572	\$ 70,545	\$ 54,856
MT0030031	\$ 99,977	\$ 122,573	\$ 152,848	\$ 118,854
MT0030066	\$ 952,237	\$ 1,164,492	\$ 1,448,873	\$ 1,129,561
MT0030147	\$ 217,091	\$ 265,480	\$ 330,313	\$ 257,517
MT0030180	\$ 395,217	\$ 483,312	\$ 601,341	\$ 468,814
MT0030279	\$ 11,475	\$ 14,091	\$ 17,597	\$ 13,661
MT0030350	\$ 1,825,542	\$ 2,232,458	\$ 2,777,646	\$ 2,165,491
MT0030392	\$ 26,622	\$ 32,557	\$ 40,507	\$ 31,580

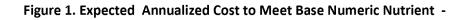
MT0030643		\$ 27,558	\$ 33,	786	\$ 42,131	\$ 32,761
MT0030660		\$ -		\$ -	\$ -	\$ -
MT0030678		\$ 228,193	\$ 279,	057	\$ 347,206	\$ 270,686
MT0030724		\$ 3,476,643	\$ 4,282,	708	\$ 5,362,681	\$ 4,150,052
MT0030741	#N/A	1#	N/A	#N/A	1#	N/A
MT0031411		\$ 10,254	\$ 12,	572	\$ 15,677	\$ 12,190
MT0031534	#N/A	#1	N/A	#N/A	#1	N/A
MT0031593		\$ 270,722	\$ 333,	490	\$ 417,586	\$ 323,160
MT0031623		\$ -		\$ -	\$ -	\$ -

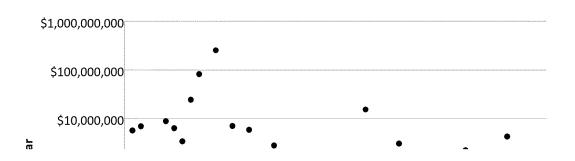
Community	Average Min	N	lax N	Median
MT0000264	5,693,891.27	4,644,227.41	1,579,092.65	876,918.45
MT0000256	6,966,766.69	5,682,449.36	1,932,100.48	1,072,954.50
MT0000019	186,038.15	152,128.51	51,012.96	28,329.06
MT0000094	581,369.20	475,401.59	159,415.49	88,528.30
MT0000191	8,846,249.88	7,181,262.31	2,504,772.92	1,390,977.02
MT0000230	6,370,876.28	5,209,640.77	1,746,938.73	970,128.51
MT0000248	3,404,810.79	2,777,136.90	944,259.63	524,376.26
MT0000281	4,514,637.67	19,995,385.71	6,798,669.36	3,775,509.05
MT0000302	32,224,984.39	67,237,631.35	22,546,664.51	12,520,852.46
MT0000388	276,266.65	225,910.83	75,754.24	42,068.65
MT0000396	3,864,552.33	207,592,027.02	69,611,431.79	38,657,357.36
MT0000451	73,112.99	59,786.50	20,048.09	11,133.32
MT0000477	7,071,530.10	5,767,899.72	1,961,154.62	1,089,089.15
MT0000485	16,008.19	13,153.93	4,293.90	2,384.53
MT0000884	5,900,897.42	4,825,326.12	1,618,067.25	898,562.24
MT0000892	1,965,833.31	1,595,836.07	556,616.20	309,106.00
MT0020460	52,381.70	42,725.18	14,527.07	8,067.33
MT0021229	2,790,572.18	2,281,927.63	765,194.36	424,935.84
MT0021431	261,908.52	213,625.92	72,635.36	40,336.64
MT0023566	39,286.28	32,043.89	10,895.30	6,050.50
MT0023604	1,116,228.87	912,771.05	306,077.75	169,974.33
MT0023639	164,721.27	134,697.12	45,167.72	25,083.02
MT0023965	-	-	-	-
MT0024210	1,562,135.40	1,268,119.73	442,311.09	245,628.88
MT0024619	38,757.95	31,693.44	10,627.70	5,901.89
MT0024716	1,652,984.98	1,341,870.16	468,034.71	259,913.99
MT0026808	1,255,757.48	1,026,867.43	344,337.46	191,221.13
MT0027821	271,546.76	221,487.35	75,308.34	41,821.02
MT0028321	.5,357,477.63	12,526,340.09	4,259,104.86	2,365,211.21
MT0028428	-	-	-	-
MT0028584	-	-	-	-
MT0028983	697,643.04	570,481.91	191,298.59	106,233.96
MT0029891	3,055,676.54	2,498,710.75	837,887.83	465,304.74
MT0029980	96,894.87	79,233.60	26,569.25	14,754.72
MT0030015	56,572.24	46,143.20	15,689.24	8,712.71
MT0030031	122,573.19	99,976.93	33,993.35	18,877.55
MT0030066	1,164,492.20	952,237.31	319,311.89	177,323.66
MT0030147	265,480.31	217,090.55	72,796.55	40,426.15
MT0030180	483,311.60	395,217.19	132,527.41	73,596.53
MT0030279	14,091.33	11,474.92	3,936.07	2,185.82
MT0030350	2,232,457.74	1,825,542.10	612,155.49	339,948.67
MT0030392	32,556.68	26,622.49	8,927.27	4,957.58
MT0030643	33,786.20	27,557.74	9,369.96	5,203.43
MT0030660	-	-	-	-

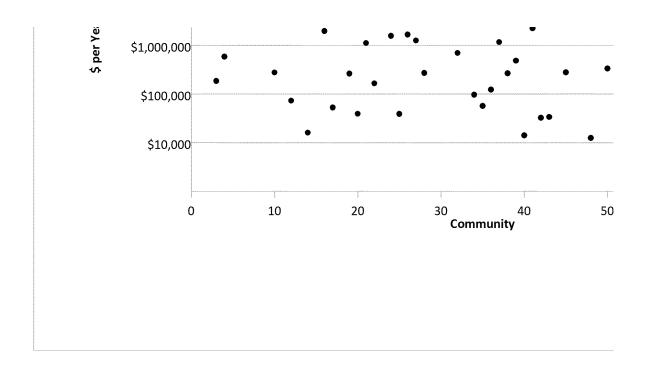
MT0030678	279,057	7.22	228,192.76	76,519.44	42,493.58
MT0030724	4,282,708	3.27	3,476,642.87	1,212,628.16	673,409.51
MT0030741	#N/A	#N/A	#N/A	#N	I/A
MT0031411	12,573	1.61	10,254.04	3,486.50	1,936.16
MT0031534	#N/A	#N/A	#N/A	#N	I/A
MT0031593	333,489	9.58	270,722.19	94,425.96	52,437.63
MT0031623		-	-	-	-





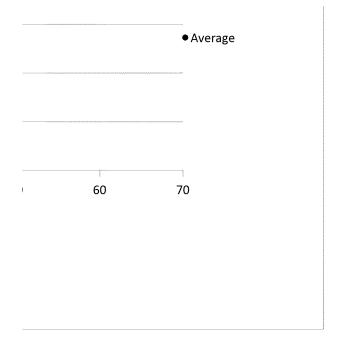






Condense	d Presena	tion	
***************************************		**************************************	****
		***************************************	Min
O	0		■ Median
	······································	Ø	
0			Max
7 7 7 7 7	SO PROSECT PRO		
a Manuel Printer Printer Printer Printer	eo ecuata: ecuata: ecuata ecuata ecua	ord ordered ordered ordered	

Condensed	l Presena	tion	
***************************************			vot



Compliance Cost

NPDES Or	riginal S	Scenario A	Scenario B	Scenario C
MT0000264	\$ 4,644,227	\$ 5,141,402	\$ 6,235,188	\$ 5,228,721
MT0000256	\$ 5,682,449	\$ 6,290,768	\$ 7,629,070	\$ 6,397,607
MT0000477	\$ 5,767,900	\$ 6,385,366	\$ 7,743,793	\$ 6,493,812
MT0028321	\$ 12,526,340	\$ 13,867,313	\$ 16,817,454	\$ 14,102,828

Annual payroll (\$1,000) 100,506 Number of employer establis 5 Average Payroll (\$) \$ 20,101,200

Compliance Cost as a percent of Payroll

NPDES Original	Scenario A	Scenario B	Scenario C	
MT0000264	23%	26%	31%	26%
MT0000256	28%	31%	38%	32%
MT0000477	29%	32%	39%	32%
MT0028321	62%	69%	84%	70%
•	4.40/			
Average	44%			
Median	35%			
Min	23%			
Max	95%			

Scenario D	Scenario E		
\$ 5,813,570	\$ 7,100,239		
\$ 7,113,200	\$ 8,687,504		
\$ 7,220,166	\$ 8,818,143		
\$ 15,680,274	\$ 19,150,656		

Scenario D	Scenario E			
	29%	35%		
	35%	43%		
	36%	44%		
	78%	95%		

EXXON MOBIL CORPORATION (http://www.exxonmobil.com/Corporate/Files/news_supp_earnings

4Q10 INVESTOR RELATIONS DATA SUMMARY (PAGE 1 of 4)

Earnings, \$M	4Q10	3Q10	2Q10	1Q10
Upstream	4010	30(10	2Q10	1010
United States	1,317	999	865	1,091
Non-U.S.	6,163	4,468	4,471	4,723
Total	7,480	5,467	5,336	5,814
Downstream	.,	0, 101	0,000	0,011
United States	226	164	440	(60)
Non-U.S.	924	996	780	97
Total	1,150	1,160	1,220	37
Chemical	.,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	
United States	522	676	685	539
Non-U.S.	545	553	683	710
Total	1,067	1,229	1,368	1,249
Company to and financing	(447)	(FOC)	(264)	(000)
Corporate and financing	(447)	(506)	(364)	(800)
Net income attributable to ExxonMobil (U.S. GAAP)	9,250	7,350	7,560	6,300
Earnings per common share (U.S. GAAP)	1.86	1.44	1.61	1.33
Earnings per common share	1 OE	4 4 4	1.60	4 22
- assuming dilution (U.S. GAAP)	1.85	1.44	1.00	1.33
Cupaint Home CM				
Special Items \$M				
Upstream	0	0	0	^
United States	0	0	0	0
Non-U.S. Total	0	0	0	0
Downstream	U	U	U	U
United States	0	0	0	0
Non-U.S.	0	0	0	0
Total	0	0	0	0
Chemical	O	U	U	U
United States	0	0	0	0
Non-U.S.	0	0	0	0
Total	0	0	0	0
		-	_	_
Corporate and financing	0	0	0	0
Corporate total	0	0	0	0
Faminas Fusivalina Cossisl Hama CM				
Earnings Excluding Special Items \$M				
Upstream	4 047	999	865	1 001
United States Non-U.S.	1,317			1,091
Total	6,163 7,480	4,468 5,467	4,471 5,336	4,723 5,814
Downstream	7,400	3,407	5,550	5,014
United States	226	164	440	(60)
Non-U.S.	924	996	780	97
Total	1,150	1,160	1,220	37
Chemical	1,130	1,100	1,220	Ji
United States	522	676	685	539
Non-U.S.	545	553	683	710
11011 0.0.		333	303	7 10

Total	1,067	1,229	1,368	1,249
Corporate and financing	(447)	(506)	(364)	(800)
Corporate total	9,250	7,350	7,560	6,300
FPS excluding Special Items - assuming dilution	1 85	1 44	1 60	1 33

EXXON MOBIL CORPORATION

4Q10 INVESTOR RELATIONS DATA SUMMARY (PAGE 2 of 4)

Net production of crude oil and	4Q10	3Q10	2Q10	1Q10
natural gas liquids, kbd				
United States	455	430	357	389
Canada/South America	266	253	267	261
Europe	335	294	348	365
Africa	618	631	599	666
Asia Pacific/Middle East	639	633	573	542
Russia/Caspian	213	180	181	191
Total liquids production	2,526	2,421	2,325	2,414
Natural gas production available for sale, mcfd				
United States	3,869	3,726	1,412	1,335
Canada/South America	564	550	594	568
Europe	4,596	2,365	3,268	5,138
Africa	9	15	20	13
Asia Pacific/Middle East	5,409	5,371	4,552	4,437
Russia/Caspian	205	165	179	198
Total natural gas production available for sale	14,652	12,192	10,025	11,689
Total worldwide liquids and gas production, koebd	4,968	4,453	3,996	4,362
Refinery throughput, kbd				
United States	1,732	1,752	1,807	1,720
Canada	467	453	418	439
Europe	1,501	1,550	1,570	1,530
Asia Pacific	1,307	1,304	1,143	1,242
Other Non-U.S.	291	305	254	225
Total refinery throughput	5,298	5,364	5,192	5,156
Petroleum product sales, kbd				
United States	2,581	2,555	2,521	2,383
Canada	475	459	435	431
Europe	1,576	1,646	1,612	1,609
Asia Pacific	1,277	1,278	1,183	1,226
Other Non-U.S.	646	657	553	546
Total petroleum product sales	6,555	6,595	6,304	6,195

Gasolines, naphthas	2,615	2,728	2,565	2,535
Heating oils, kerosene, diesel	2,106	1,949	1,887	1,860
Aviation fuels	472	526	455	451
Heavy fuels	602	597	581	629
Specialty products	760	795	816	720
Total petroleum product sales	6,555	6,595	6,304	6,195
Chemical prime product sales, kt				
United States	2,214	2,628	2,449	2,524
Non-U.S.	4,135	3,930	4,047	3,964
Total chemical prime product sales	6,349	6,558	6,496	6,488

EXXON MOBIL CORPORATION

4Q10 INVESTOR RELATIONS DATA SUMMARY (PAGE 3 of 4)

Supplemental Information (continued)

Average Realization Data	4Q10	3Q10	2Q10	1Q10
United States				
ExxonMobil				
Crude (\$/b)	80.89	70.69	73.13	72.97
Natural Gas (\$/kcf)	3.70	4.13	4.11	5.32
Benchmarks				
WTI (\$/b)	85.06	76.04	77.78	78.67
ANS-WC (\$/b)	85.82	76.37	78.30	79.07
Henry Hub (\$/mbtu)	3.80	4.38	4.09	5.30
Non-U.S.				
ExxonMobil				
Crude (\$/b)	83.53	73.82	75.24	74.21
Natural Gas (\$/kcf)	7.24	6.26	5.83	6.45
European NG (\$/kcf)	8.23	7.41	6.35	6.93
Benchmarks				
Brent (\$/b)	86.48	76.86	78.30	76.24
Capital and Exploration Expenditures, \$M				
Upstream				
United States	2,453	2,352	772	772
Non-U.S.	6,346	5,280	4,570	4,774
Total	8,799	7,632	5,342	5,546
Downstream				
United States	170	201	264	347
Non-U.S.	519	357	320	327
Total	689	558	584	674
Chemical				
United States	83	62	66	68
Non-U.S.	435	463	492	546
Total	518	525	558	614

Other	55	54	35	43
Total Capital and Exploration Expenditures	10,061	8,769	6,519	6,877
Exploration Expense Charged to Income, \$M				
Consolidated - United States	121	62	45	55
- Non-U.S.	427	437	361	630
Non-consolidated - ExxonMobil share - United States	1	1	1	1
- Non-U.S.	9	1	8	3
Total Exploration Expense Charged to Income	558	501	415	689
Effective Income Tax Rate, %	43%	45%	43%	50%
Common Shares Outstanding (millions)				
At quarter end	4,979	5,043	5,092	4,698
Average - assuming dilution	5,031	5,089	4,729	4,736
Total Cash and Cash Equivalent (\$G)	8.5	12.2	13.3	13.7
Total Debt (\$G)	15.0	18.3	20.4	9.5
Cash Flows from Operations and Asset Sales (\$G)				
Net cash provided by operating activities	13.0	13.1	9.2	13.1
Sales of subsidiaries, investments and PP&E	1.7	8.0	0.4	0.4
Cash flows from operations and asset sales	14.7	13.9	9.6	13.5

The above numbers reflect ExxonMobil's current estimate of volumes and realizations given data available as of the e fourth quarter of 2010. Volumes and realizations may be adjusted when full statements on joint venture operations a received from outside operators. ExxonMobil management assumes no duty to update these estimates.

EXXON MOBIL CORPORATION

4Q10 INVESTOR RELATIONS DATA SUMMARY (PAGE 4 of 4)

	4Q10 vs.	4Q10 vs.	2010 vs.
Earnings Factor Analysis, \$M	4Q09	3Q10	2009
Upstream			_
Prior Period	5,780	5,467	17,107
Realization	1,380	1,160	6,510
Volume/Mix	560	870	1,170
Other	-240	-20	-690
Current Period	7,480	7,480	24,097
Downstream			
Prior Period	(189)	1,160	1,781
Margin	1,220	220	1,160
Volume/Mix	-10	30	420
Other	130	-260	210
Current Period	1,150	1,150	3,567
Chemical			

Prior Period	716	1,229	2,309
Margin	380	-110	2,020
Volume/Mix	-20	-30	380
Other	-10	-20	200
Current Period	1,067	1,067	4,913
<u>Upstream Volume Factor Analysis, KOEBD</u>			
Prior Period	4,179	4,453	3,932
Entitlements	9	39	-59
Quotas	19	3	44
Divestments	-10	-9	-3
Acquisitions	520	0	263
Net Growth	251	482	270
Current Period	4,968	4,968	4,447

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4Q09 385 255 372 657 537 187 2,393 1,298 641 4,401 14 4,180 183 10,717 4,179

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Note: Formula divides millions of dollars of earnings per quarter (91 days) by

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Compliance Cost

NPDES	Original	Scenario A	Scenario B	Scenario C	Scenario D	Scenario E
MT0000191	\$ 7,181,262	\$ 7,969,886	\$ 9,704,860	\$ 8,108,392	\$ 9,036,086	\$ 11,077,012
MT0024716	\$ 1,341,870	\$ 1,489,230	\$ 1,813,422	\$ 1,515,111	\$ 1,688,457	\$ 2,069,819
MT0028428	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MT0030015	\$ 46,143	\$ 51,083	\$ 61,950	\$ 51,950	\$ 57,761	\$ 70,545
	\$ 8,569,276	\$ 9,510,200	\$ 11,580,232	\$ 9,675,454	\$ 10,782,305	\$ 13,217,376

Compliance Cost

NPDES	Original	Scenario A	Scenario B	Scenario C	Scenario D	Scenario E
MT0000884	\$ 4,825,326	\$ 5,334,772	\$ 6,455,554	\$ 5,424,246	\$ 6,023,530	\$ 7,341,956
MT0000892	\$ 1,595,836	\$ 1,771,086	\$ 2,156,635	\$ 1,801,865	\$ 2,008,019	\$ 2,461,558
MT0021229	\$ 2,281,928	\$ 2,522,848	\$ 3,052,873	\$ 2,565,161	\$ 2,848,566	\$ 3,472,058
MT0023604	\$ 912,771	\$ 1,009,139	\$ 1,221,149	\$ 1,026,064	\$ 1,139,426	\$ 1,388,823
MT0023965	\$ -	\$ -	\$ -	· \$ -	· \$ -	\$ -
MT0024210	\$ 1,268,120	\$ 1,407,381	\$ 1,713,755	\$ 1,431,839	\$ 1,595,658	\$ 1,956,060
MT0024619	\$ 31,693	\$ 35,040	\$ 42,401	\$ 35,627	\$ 39,563	\$ 48,223
MT0028983	\$ 570,482	\$ 630,712	\$ 763,218	\$ 641,290	\$ 712,142	\$ 868,014
	\$ 11,486,156	\$ 12,710,978	\$ 15,405,585	\$ 12,926,093	\$ 14,366,905	\$ 17,536,692